CHAPTER 1
ResourcePak Base

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**CTRK000I**

Dell EMC CHANGETRACKER COLLECTOR/REPORTER VERSION v.r.m INITIALIZING

**Cause**
This is the initial startup message for the ChangeTracker Collector/Reporter and shows the version of ChangeTracker that is running.

**Action**
None.

**CTRK001I**

XX

**Cause**

<table>
<thead>
<tr>
<th>XX</th>
<th>Cause</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTRKCOLL - SMS GROUPS BEING PROCESSED BY THE COLLECTOR</td>
<td>Change Tracker Collector starts to process SMS groups.</td>
</tr>
<tr>
<td>CTRKCOLL, SMS_GROUP=XXXXXX</td>
<td>Indicates the SMS group being processed.</td>
</tr>
<tr>
<td>SDDF SESSIONS ARE OPEN</td>
<td>Change Tracker Collector has opened the SDDF sessions on the selected volumes.</td>
</tr>
</tbody>
</table>

**Action**
None. This is an informational message.

**CTRK002E**

ERROR OPENING SDDF SESSION ON CUU uuuu

**Cause**
The ChangeTracker Collector attempted to open an SDDF session on device uuuu and the attempt failed.

**Action**
See message CTRK003E for more information.

**CTRK003E**

R15=xxxxxxxx, EMCRC=xxxx, EMCRS=xxxx, RCX=xxxxxxxx

**Cause**
This message accompanies message CTRK002E and provides information regarding the SDDF error.

**Where:**
**CTRK004E**

**ERROR GETTING BITMAP FOR CUU uuuu**

**Cause**
The ChangeTracker Collector issued an SDDF request to obtain the changed tracks for device uuuu and the request failed.

**Action**
See message CTRK005E for more information.
**CTRK004W**

**ERROR GETTING BITMAP FOR CUU ccuu**

**Cause**
The ChangeTracker Collector issued an SDDF request to obtain the changed tracks for device *ccuu* and the request failed.

**Action**
Execution continues. Refer to message CTRK005W for more information.

---

**CTRK005E**

**R15=xxxxxxxx, EMCRC=xxxx, EMCRS=xxxx, RCX=xxxxxxxx**

**Cause**
Preceded by message CTRK004E, this message provides information regarding the SDDF error. Where: R15 is returned from the API. EMCRC is the API return code. EMCRS is the API reason code. RCX is the first four bytes returned from the internal call.

**Action**
Using the return code (RC), refer to the table below to find the reason for the error.

<table>
<thead>
<tr>
<th>RS</th>
<th>Reason</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>The SDDF facility is not available.</td>
</tr>
<tr>
<td>04</td>
<td>Two ChangeTracker Collector tasks were running concurrently. The data is invalid and should not be used.</td>
</tr>
<tr>
<td>05</td>
<td>Unable to retrieve SDDF bitmap.</td>
</tr>
<tr>
<td>09</td>
<td>Device number mismatch.</td>
</tr>
<tr>
<td>10</td>
<td>The device is currently being used as an online BCV. Statistic collection are suspended until the device is no longer being used as a BCV. At that time, message “CTRK016I” indicates the number of cycles that have been skipped.</td>
</tr>
</tbody>
</table>

---

**CTRK005I**

**XX**
The operating environment level for this device is less than 5875 or equal to 5977, so only MODE=WRITE is available. The MODE value is reset to default.

SCF is not running. Change Tracker Collector needs SCF to run. Start SCF and restart Change Tracker Collector.

Action
None.

**CTRK005W**

R15=xxxxxxxxx, RC=xxxx, RS=xxxx, RCX=xxxxxxxxx

**Cause**
Preceded by message CTRK004W, this message provides information regarding the SDDF error.

Where:

- **R15** is returned from the API.
- **RC** is the API return code.
- **RS** is the API reason code.
- **RCX** is the first four bytes returned from the internal call.

**Action**
Using the return code (RC), refer to the table below to find the reason for the error.

<table>
<thead>
<tr>
<th>RS</th>
<th>Reason</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
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<td>Device number mismatch.</td>
</tr>
<tr>
<td>10</td>
<td>The device is currently being used as an online BCV. Statistic collection are suspended until the device is no longer being used as a BCV. At that time, message CTRK016I indicates the number of cycles that have been skipped.</td>
</tr>
</tbody>
</table>

Execution continues.
**CTRK006E**

**ERROR RESETTING BITMAP FOR CUU uuuu**

**Cause**
The ChangeTracker Collector issued an SDDF request to reset the SDDF bitmap for device uuuu and the request failed.

**Action**
Message CTRK007E provides more information.

---

**CTRK007E**

**R15=xxxxxxxx, EMRC=xxxx, EMCRS=xxxx, RCX=xxxxxxxx**

**Cause**
Preceded by message CTRK006E, this message provides information regarding the SDDF error.

Where:
- R15 is returned from the API.
- EMRC is the API return code.
- EMCRS is the API reason code.
- RCX is the first four bytes returned from the internal call.

**Action**
Using the return code (RC), refer to the list below to find the reason for the error. For any other return code, contact the Dell EMC Customer Support Center for technical assistance.

<table>
<thead>
<tr>
<th>RS</th>
<th>Reason</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>The SDDF facility is not available.</td>
</tr>
<tr>
<td>04</td>
<td>Session tag not found.</td>
</tr>
<tr>
<td>08</td>
<td>CRC error.</td>
</tr>
<tr>
<td>09</td>
<td>Device number mismatch.</td>
</tr>
<tr>
<td>0C</td>
<td>Incorrect length.</td>
</tr>
</tbody>
</table>

---

**CTRK008E**

**ERROR OPENING LOG FILE**

**Cause**
The ChangeTracker Collector attempted to open the Collector dataset and the open request failed.
**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

---

### CTRK009E

**CTRKMAIN HAS ABENDED**

**Cause**
Self explanatory.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

---

### CTRK010I

**SDDF SESSIONS ARE CLOSED**

**Cause**
The ChangeTracker Collector is terminating and closing the SDDF sessions it had established.

**Action**
None.

---

### CTRK011E

**ERROR CANCELLING SDDF SESSION ON CUU uuuu**

**Cause**
While terminating, the ChangeTracker Collector attempted to cancel an SDDF session for device uuuu and the request failed.

**Action**
Message CTRK012E provides more information.

---

### CTRK012E

**R15=xxxxxxxx, EMCRC=xxxx, EMCRS=xxxx, RCX=xxxxxxxx**

**Cause**
Preceded by message CTRK011E.

**Where:**
- **R15** is returned from the API.
- **EMCRS** is the API reason code.
- **EMCRC** is the API return code.
- **RCX** is the first four bytes returned from the internal call.

**Action**
Using the return code (RC), refer to the table below to find the reason for the error. For any other return code, contact the Dell EMC Customer Support Center for technical assistance.

<table>
<thead>
<tr>
<th>RC</th>
<th>Reason</th>
</tr>
</thead>
<tbody>
<tr>
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<td>The SDDF facility is not available.</td>
</tr>
<tr>
<td>04</td>
<td>Two ChangeTracker Collector tasks were running concurrently. The data is invalid and should not be used.</td>
</tr>
</tbody>
</table>

**CTRK013I**

CHANGETRACKER IS SHUTTING DOWN

**Cause**
The ChangeTracker Collector received a stop request and is proceeding to shutdown.

**Action**
None.

**CTRK014E**

NO VALID DEVICES WERE DEFINED IN THE CONFIG FILE

**Cause**
ChangeTracker was unable to find any valid device. Perhaps all devices are offline.

**Action**
ChangeTracker Collector is terminated. Correct the CONFIG file, or vary the devices online.

**CTRK015I**

STATISTICS WILL NOT BE COLLECTED FOR THIS DEVICE

**Cause**
The device received a X’1710’ error when attempting to open an SDDF session. The device is online and is currently being used as a BCV. This message is preceded by messages “CTRK002E” and “CTRK003E”, which identify the device.
Action
ChangeTracker Collector does not collect statistics for the named device during this collection step. The device’s CUU is defined in message “CTRK002E” which precedes message CTRK015i.

CTRK016I

xxxxx CYCLES SKIPPED FOR CUU=xxxx

Cause
If ChangeTracker receives an X’1710’ error while reading statistics at the end of a cycle, ChangeTracker issues messages “CTRK004E” and “CTRK005E” and continues. When the device becomes available, message CTRK016i indicates how many cycles were skipped for this device.

Action
None.

CTRK018E

CHANGETRACKER COLLECTOR ENQ FAILED, RNAME=xxxxxxxxxxxxxxxxxxxx

Cause
Using the MVS ENQ facility, ChangeTracker Collector has detected that another Collector is concurrently running and collecting data for the same MVS volume. The job terminates. The dataset contains no valid data.

RNAME is the resource name (concatenation of the storage system serial number and the PowerMax/VMAX device number).

QNAME is always set to CTRKCOLL.

Action
Do not concurrently execute two or more Collectors that collect data from the same disk volume.

CTRK019I

nnnnn VOLUMES BEING PROCESSED

Cause
Informational message.

Action
None.

CTRK020I

nnnnn CYCLES WRITTEN TO DISK
Cause
Informational message.
Action
None.

CTRK021I

nnn SUBTASK(S) NEEDED FOR nnnnn DEVICES

Cause
Informational message.
Action
None.

CTRK022I

PASSWORD VALID for nnn more days.

Cause
User is running a temporary version of ChangeTracker which requires a password.
Action
None - Information only.

CTRK023I

LIMITED TIME

Cause
The user is running a temporary version of ChangeTracker which requires a password, which has expired.
Action
A valid password is required to run ChangeTracker.

CTRK024I

XX

<table>
<thead>
<tr>
<th>Cause</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>XX</td>
<td></td>
</tr>
<tr>
<td>PARM MUST BE TWO CHARACTERS,</td>
<td></td>
</tr>
<tr>
<td>01-99</td>
<td></td>
</tr>
<tr>
<td>The value you specified is invalid.</td>
<td></td>
</tr>
<tr>
<td>The parameter value must be 2 digits. Valid values are from 01 to 99.</td>
<td></td>
</tr>
<tr>
<td>XX</td>
<td>Cause</td>
</tr>
<tr>
<td>----</td>
<td>-------</td>
</tr>
<tr>
<td>PRINTING PASSWORD FOR nnn DAYS</td>
<td>This informational message indicates how long password will be valid.</td>
</tr>
<tr>
<td>CTRKPASS mm/dd/yy hh/ss ENTERED</td>
<td>This informational message shows date and time when the password was entered.</td>
</tr>
</tbody>
</table>

**Action**

None.

**CTRK025I**

**CTRKNINIT COMPLETED SUCCESSFULLY MODE=xx**

**Cause**

This message is issued when initialization process completed successfully.

*xx* indicates the operation type for which ChangeTracker Collector will collect data:

- W = Write
- R = Read
- RW = Read/Write
- RM = Read-miss

**Action**

None. This message is issued during normal processing.

**CTRK026I**

**ALL SDDF SESSIONS HAVE BEEN RESET**

**Cause**

Informational message.

**Action**

None.

**CTRK027I**

**FIRST CYCLE SUCCESSFULLY PROCESSED**

**Cause**

Informational message issued after the first cycle has been processed.

**Action**

None.
CTRK028I

LARGE VOLUMES require SCF upgrade.

**Cause**
The current version of SCF does not support large volumes.

**Action**
Contact Dell EMC Customer Support and/or upgrade to SCF 5.5.0 or later.

CTRK029I

DEVICE IS BEING USED AS A BCV

**Cause**
ChangeTracker unable to get changed data because the device is temporarily being used as a BCV volume. Cycles are skipped.

**Action**
None. If/When the device is no longer being used as a BCV, ChangeTracker resumes collecting data for the device. On the first cycle when the device statistics resume, ALL tracks are flagged as “changed” because all tracks have changed. This may skew the data.

CTRK030I

TEMPORARY timeout error

**Cause**
The device was unable to provide ChangeTracker data for this cycle due to a timeout.

**Action**
None. The timeout error clears, ChangeTracker resumes collecting data on this device.

CTRK031I

REMOTE LINK temporarily down

**Cause**
The link between a local and a remote storage system is temporarily down. This message only occurs if the user is collecting data on a remote device. One or more cycles are skipped.

**Action**
The link is reestablished, ChangeTracker resumes collecting data on this device.
## CTRK032I

**TEMPORARY remote syscall failure**

**Cause**
Remote syscall failed.

**Action**
ChangeTracker retries on next cycle.

## CTRK033I

<table>
<thead>
<tr>
<th>XX</th>
</tr>
</thead>
</table>

**Cause**

<table>
<thead>
<tr>
<th>Cause</th>
<th>Cause</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHGTRKER EXTRACTING VTOCS FOR LOCAL VOLUMES</td>
<td>This informational message indicates that Change Tracker is starting to extract information about datasets from VTOCs.</td>
</tr>
<tr>
<td>CHGTRKER - VTOCS DUMPED</td>
<td>This informational message indicates that Change Tracker has finished extraction of dataset information VTOCs.</td>
</tr>
<tr>
<td>CTRKCOLL - SCF NOW RUNNING</td>
<td>This informational message indicates that SCF is now running.</td>
</tr>
</tbody>
</table>

**Action**
None.

## CTRK041I

**CTRKCOLL PROCESSING SDDF SESSIONS**

**Cause**
Change Tracker Collector is processing SDDF sessions.

**Action**
None.

## CTRK042I

**CTRKCOLL STARTING LOG SWAP**

**Cause**
Change Tracker Collector is starting to process the LOGSWAP command.
**Action**
None.

---

**CTRK043I**

**CTRKCOLL LOG SWAPPED**

**Cause**
The LOGSWAP command has completed normally.

**Action**
None.

---

**CTRK044W**

**LOGSWAP INACTIVE WHEN CTRKLOG DD DEFINED**

**Cause**
The LOGSWAP command was issued; however, the command was not processed because a CTRKLOG DD statement was specified in the ChangeTracker Collector step.

**Action**
Remove the CTRKLOG DD statement before issuing the LOGSWAP command.

---

**CTRK045E**

**SDDF OPEN FAILED DUE TO DVE**

**Cause**
ChangeTracker Collector was running against a device that was in the process of Dynamic Volume Expansion (DVE).

This message is followed by message CTRK002E that shows the CUU, SymmDev# and hop list of the device.

**Action**
Wait until DVE is completed and rerun ChangeTracker Collector, if specified device is critical to be included in data collection process.

---

**CTRK100E**

**BAD PARM PASSED TO INIT ROUTINE**

**Cause**
Internal error.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem,
contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**CTRK101E**

NO KEYWORD SPECIFIED - BLANK LINE?

**Cause**
A line was read from the configuration file and it appears to be a blank line.

**Action**
Correct the error. Comments may be inserted by beginning the line with an asterisk (*).

**CTRK102E**

INVALID KEYWORD -keyword

**Cause**
While reading the configuration file, an invalid keyword was encountered.

**Action**
Find the keyword in question in the configuration file and correct it.

**CTRK103E**

CONFIG FILE FAILED WITH ERRORS - JOB ABORTED

**Cause**
An error was found in the configuration file and the task was terminated.

**Action**
Refer to previous error messages that describe the error.

**CTRK104E**

CUU uuuu WAS PREVIOUSLY DEFINED

**Cause**
The configuration file contains a device definition statement (DEVICE_LIST, SMS_GROUP) that adds a device uuuu that had been previously defined.

**Action**
Remove one of the definitions for device uuuu.
**INVALID REPORTS => report name**

**Cause**
A REPORTS keyword statement contains a word report name that is not a valid report name. The valid report names are SYMMETRIX, VOLUME, and DATASET.

**Action**
Replace invalid report name with SYMMETRIX, VOLUME or DATASET.

---

**SCANUCB FAILED FOR CUU uuuu**

**Cause**
A DEVICE_LIST statement specified a device uuuu that is not a valid device.

**Action**
Make corrections to device uuuu and/or contact your Systems Programmer for valid devices on your system.

---

**SAI FC01 CALL FAILED FOR CUU=uuuu**

**Cause**
A Dell EMC SAI call was issued to device uuuu and it failed.

**Action**
Refer to message CTRK108E for details.

---

**R15=rrrrrrrr EMCR/EMCRS=ccccssss**

**Cause**
This message provides details for the SAI call error.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
CTRK109E

INVALID MICROCODE LEVEL FOR CUU=uuuu

Cause
Device $uuuu$ has an unsupported operating environment level.

Action
Upgrade the device to Enginuity 5x64 or later.

CTRK110E

INVALID HLQ => HLQ value

Cause
The ChangeTracker Collector encountered an HLQ statement that specified an HLQ that was greater than eight characters. A high level qualifier must conform to z/OS dataset-naming conventions.

Action
Reduce the HLQ to fewer than eight characters.

CTRK111E

INVALID PALLOC VALUE => PALLOC value

Cause
The ChangeTracker Collector encountered a PALLOC statement that specified a value that was not a valid.

Action
The PALLOC parameter must be a valid integer.

CTRK112E

INVALID SALLOC VALUE => SALLOC value

Cause
The ChangeTracker Collector encountered a SALLOC statement that specified a value that was not a valid number.

Action
The SALLOC parameter must be a valid integer.
CTRK113E

OPEN FOR CONFIG FILE FAILED

Cause
The configuration file could not be opened.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

CTRK114E

INVALID VOLSER => volser

Cause
ChangeTracker Collector encountered a VOLSER keyword with a value larger than six characters. A z/OS volume can only have up to six characters. Alternatively, the specified VOLSER did not exist or was offline.

Action
Specify a valid VOLSER value and retry.

CTRK115E

INVALID RA_COUNT => RA count

Cause
The ChangeTracker Reporter encountered an RA_COUNT keyword that specified a value that was not an integer. The RA_COUNT value can only be an integer.

Action
Change the RA_COUNT value to an integer.

CTRK116E

INVALID RA_KBS => RA KBS

Cause
The ChangeTracker Reporter encountered an RA_KBS keyword that specified a value that was not an integer. The RA_KBS value can only be an integer.

Action
Change the RA_KBS value to an integer.
CTRK117E
INVALID RESYNCH_TIME => resynch time

Cause
The ChangeTracker Reporter encountered a RESYNCH_TIME keywords that specified an invalid value.

Action
See the description of RESYNCH_TIME in the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide for the proper syntax of a RESYNCH_TIME parameter.

CTRK118E
INVALID CUU NUMBER => cuu number

Cause
The configuration file contained a DEVICE_LIST statement with an invalid device number.

Action
Find the DEVICE_LIST statement where cuu number is specified and correct it.

CTRK119E
INVALID SYNTAX AT device_list string

Cause
A DEVICE_LIST statement contained an invalid string, device_list string.

Action
See the description of DEVICE_LIST in the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide for the proper syntax of a DEVICE_LIST parameter.

CTRK120E
cuu1-cuu2 IS AN INVALID CUU RANGE

Cause
A DEVICE_LIST statement contained a device range where the first device cuu1 had a value higher than the second device cuu2. When specifying a device range, the first device must be lower than the second.

Action
Change the device range so the first device is a number lower than the second.
CTRK121E

INVALID DATE => date string

**Cause**
A DATE statement contained an invalid value, `date string`.

**Action**
See the description of DATE in the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide for the proper syntax of a DATE parameter.

CTRK122E

INVALID TOD => TOD string

**Cause**
A TOD statement contained an invalid value, `TOD string`.

**Action**
See the description of TOD in the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide for the proper syntax of a TOD parameter.

CTRK123E

SMS REQUEST FOR SMS GROUP ssssssss FAILED TO OBTAIN VOLSERS

**Cause**
While processing the CONFIG file, an SMS_GROUP statement was encountered. ChangeTracker attempted to obtain the volsers of the devices in the SMS group `sssssssss`. The request failed for the reason specified in the accompanying message CTRK124E. The most likely reason is that the SMS_GROUP `sssssssss` is not defined.

**Action**
Check with your systems programmer for valid SMS names.

CTRK124E

R15=rrrrrrrr SMSRC=cccccccccc SMSRS=sssssssss

**Cause**
Preceded by message CTRK123E, this message contains the reason for the error.

**Action**
None.
**CTRK126E**

*message_text*

**Cause**  
Displays invalid syntax (followed by CTRK101E).

**Action**  
"CTRK101E" provides more information.

---

**CTRK127E**

*SCANUCB FAILED FOR VOLSER volser*

**Cause**  
A DEVICE_LIST statement attempted to find the device number for volser vvvvvv and the request failed. The device most likely does not exist.

**Action**  
Check that the volser was specified correctly and/or contact your systems programmer for more information.

---

**CTRK128E**

*INVALID SYM_SERIAL => VMAX system serial number*

**Cause**  
A SYM_SERIAL keyword specified an invalid parameter for a storage system serial number. The serial number must be 12 digits long.

**Action**  
Make the serial number 12 digits long.

---

**CTRK129E**

*INVALID CYCLE/MAXCYCLE/INTERVAL => value*

**Cause**  
A CYCLE/MAXCYCLE/INTERVAL keyword specified an invalid parameter for cycle/interval time or MAXCYCLE counter. CYCLE/MAXCYCLE/INTERVAL must specify an integer.

**Action**  
Assign an integer to the CYCLE/MAXCYCLE/INTERVAL parameter.
**CTRK130E**

**DYNALLOC FOR CTRK FILE FAILED RC=rrrrrrrr RS=ssssssss**

**Cause**
ChangeTracker attempted to allocate the dataset specified in message CTRK131E and the request failed. Message CTRK131E provides an explanation of the error that should be helpful in resolving it. Common errors are duplicate dataset names and not enough space on the volume specified by the VOLSER parameter.

**Action**
For more information on the error, the return code rrrrrrrr and reason code sssssssss can be found in MVS/ESA Programming: Authorized Assembler Services Guide (GC28-1467-02).

**CTRK131E**

**DSN=dataset name**

**Cause**
Preceded by message CTRK130E, this message specifies the dataset name that ChangeTracker attempted to allocate.

**Action**
Note the dataset name.

**CTRK132E**

**INTERNAL ERROR -**

**Cause**
Internal logic error.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**CTRK133I**

**CHANGETRACKER DSN = Collector dataset name**

**Cause**
This message informs us what dataset name the ChangeTracker Collector has allocated.

**Action**
None.
**CTRK134I**

**DYNALLOC MSG**

**Cause**
Dynamic allocation for log data set failed (non-standard error).

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**CTRK135E**

**DEALLOC FOR CTRK_FILE FAILED RC=rrrrrrrr RS=ssssssss**

**Cause**
ChangeTracker attempted to deallocate the dataset specified in message CTRK136E and the request failed. Message CTRK136E gives an explanation of the error that should be helpful in resolving it.

**Action**
For more information on the error, the return code rrrrrrrr and the reason code ssssssss can be found in MVS/ESA Programming: Authorized Assembler Services Guide (GC28-1467-02).

**CTRK136E**

**DSN=dataset name**

**Cause**
This message accompanies message “CTRK135E” and specifies the dataset name ChangeTracker attempted to deallocate.

**Action**
None.

**CTRK137E**

**SAI CNFG CALL FAILED FOR CUU=uuuu**

**Cause**
A request to obtain storage system information using CUU uuuu failed. Further details of the error are found in message CTRK138E.

**Action**
See message CTRK138E for more information.
**CTRK138E**

```
R15=rrrrrrr EMRC/EMCRS=ssssssss
```

**Cause**
This message provides details for the error specified in the previous message.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

---

**CTRK139E**

```
ATTACH FAILED FOR CTRK COMM SUBTASK
```

**Cause**
The ChangeTracker Collector task initialization failed when trying to attach the communication subtask.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

---

**CTRK140E**

```
LOGNUM PARAMETER MUST BE A NUMBER BETWEEN 1 AND 9999
```

**Cause**
A LOGNUM keyword specified an invalid parameter for a starting log number.

**Action**
LOGNUM must specify a valid integer between one and 9999.

---

**CTRK141E**

```
DEVICE_LIST AND SYM_SERIAL ARE MUTUALLY EXCLUSIVE
```

**Cause**
The ChangeTracker Reporter configuration file contained both a SYM_SERIAL keyword and a DEVICE_LIST keyword. The configuration file may contain either, but not both.

**Action**
Delete one of the keywords from the configuration file.
CTRK142E

SMS_GROUP AND SYM_SERIAL ARE MUTUALLY EXCLUSIVE

Cause
The ChangeTracker Reporter configuration file contained both a SYM_SERIAL keyword and an SMS_GROUP keyword. The configuration file may contain either, but not both.

Action
Messages “CTRK141E” and “CTRK143E” provide more information.

CTRK143E

SYM_SERIAL CANNOT BE SPECIFIED WITH DEVICE_LIST OR SMS_GROUP

Cause
This message follows messages CTRK141E and CTRK142E.

Action
Messages “CTRK141E” and “CTRK142E” provide more information.

CTRK144E

INVALID SYM device -> xxxxxxxx

Cause
Invalid volser (e.g. 7 or more characters) or invalid unit (e.g. CUU=348H).

Action
Correct the control statement and resubmit.

CTRK147E

INVALID VOLSER MASK => volser mask

Cause
A DEVICE_LIST statement contains a VOLSER wildcard, but there are either too few characters or too many.

Action
There must be at least one character preceding the wildcard and no more than five characters.
ERROR: PERFORMING SYSCALL 100 ON CUU

**Cause**
Internal error.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

SYSCALL 010D NOT SUPPORTED FOR CUU

**Cause**
Internal error.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

SYSCALL 010E NOT SUPPORTED FOR CUU

**Cause**
Internal error.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

SYSCALL 810I NOT SUPPORTED FOR CUU

**Cause**
Internal error.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem,
contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**CTRK152E**

**SYSCALL 810E NOT SUPPORTED FOR CUU**

**Cause**
Internal error.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**CTRK153E**

**ONLY TWO OF THE THREE FOLLOWING KEYWORDS MAY BE SPECIFIED**

**Cause**
RA_COUNT, RA_KBS, and RESYNCH_TIME were all specified in the configuration file. Only two of these keywords may be specified. This message is followed by message CTRK155E.

**Action**
See messages “CTRK154E” and “CTRK155E”. Edit the configuration file so that it specifies on two keywords.

**CTRK154E**

**TWO OUT OF THE THREE FOLLOWING KEYWORDS MUST BE SPECIFIED**

**Cause**
RA_COUNT, RA_KBS, and RESYNCH_TIME were incorrectly specified in the configuration file. There must be at least two of these keywords specified. This message is followed by message CTRK155E.

**Action**
See the descriptions of RA_COUNT, RA_KBS, and RESYNCH_TIME in the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide for the proper use of these keywords.

**CTRK155E**

**RA_COUNT, RA_KBS, AND RESYNCH_TIME**

**Cause**
This is a continuation for messages CTRK153E and CTRK154E.
Action
See messages “CTRK153E” and “CTRK154E” for more details of the error.

CTRK156E

CUU uuuu IS NOT AN EMC DEVICE

Cause
The device is probably not running on a Dell EMC device.

Action
Be sure that you are running ChangeTracker on a Dell EMC device.

CTRK157E

CUU uuuu MUST BE ON A SYMM4 OR GREATER

Cause
The device is probably on a SYMM3 or earlier.

Action
Be sure that you are running ChangeTracker on a SYMM4 or greater device.

CTRK158E

CUU uuuu IS AN FBA device

Cause
The specified device is not a CKD device.

Action
Current versions of ChangeTracker do not support FBA devices.

CTRK159I

CUU uuuu is OFFLINE

Cause
The device identified as CUU uuuu was offline at the start of the Collector operation. ChangeTracker information is not collected for this device.

Action
Change the status of the device to ONLINE if desired or remove the cuu from the Collector specification.
**CTRK160I**

NO VALID DEVICES, RC=8

**Cause**
No acceptable devices found in DEVICE_LIST records. ChangeTracker Collector terminates.

**Action**
Correct the input control file and resubmit.

---

**CTRK161W**

xxxxxx DSNLIST ERROR - RC=nnnn, RS=xxxxxxxx

**Cause**
An unknown error was detected while attempting to dump a VTOC on VOLSER=xxxxxx. The VTOC for the specified device is not dumped.

**Action**
If the problem persists, contact customer support noting the return code (RC) and reason code (RS).

<table>
<thead>
<tr>
<th>RC</th>
<th>RS</th>
<th>Reason</th>
</tr>
</thead>
<tbody>
<tr>
<td>08</td>
<td>05</td>
<td>UCB not found or the VOLSER field of the UCB does not match the VOLSER found on track zero.</td>
</tr>
</tbody>
</table>

---

**CTRK162E**

CUU uuuu IS NOT A RDF DEVICE

**Cause**
The CUU specified is not an SRDF device. The collection of remote data is not performed for this device.

**Action**
Correct the CUU and resubmit.

---

**CTRK163E**

CUU uuuu, BAD SYMDEVICE CALL

**Cause**
The SYMDEVICE macro returned an unexpected error for CUU=uuuu. The device is bypassed.
Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

CTRK164I

RMT(cuuu,xxxx) SER#=nnnnnnn-nnnnn, PATH=

Cause
A remote device was specified. This message shows the serial number of the remote storage system.

Action
None.

CTRK165E

NO DEFAULT RA GROUP FOR DEVICE xxxx

Cause
The user requested to collect data on a remote device, but failed to specify an RA group. Since there is no default RA group for the named CUUU, the RA group must be specified. The device is bypassed for this run of the ChangeTracker Collector.

Action
Specify an RAGroup number that provides an SRDF path to remote device xxxx.

CTRK166E

SCF IS NOT RUNNING

Cause
Some versions of ChangeTracker Collector require an associated Dell EMC product named SCF. For those versions, SCF must be running concurrently with the Collector; otherwise, the Collector terminates.

Action
Start SCF before running the Collector, or start a version of Collector that does not require SCF.

CTRK167W

DUPLICATE SER#(nnnnnnn-nnnnn) AND DEV#(cuuu)

Cause
The same device was specified more than once. The duplicate device request is ignored.
Action
None required. Ensure that the DEVICE_LIST requests do not specify the same device.

CTRK168E

VOLSER NOT specified for log file

Cause
A volume was not specified for the Collector log dataset.

Action
Specify VOL=xxxxxx control statement and resubmit.

CTRK169E

HLQ NOT SPECIFIED FOR LOG FILE

Cause
High-level dataset qualifier must be specified.

Action
Specify and resubmit.

CTRK170E

NO REPORT(S) SPECIFIED

Cause
Either SYMMETRIX, VOLUME, or DATASET report should be specified.

Action
Select option and resubmit.

CTRK171E

SYM_SERIAL MAY BE SPECIFIED ONLY ONCE

Cause
This control card may only be specified once.

Action
Remove extra SYM_SERIAL control cards.

CTRK172I

MOD_27 DEVICE ON xxxx BYPASSED
**Cause**
Device type not currently supported. Processing continues.

**Action**
None.

**CTRK173W**

RAID_10 OR MOD_27 DEVICES NOT ALLOWED FOR REMOTE

**Cause**
Remote RAID 1/0 and 3990-27 device type not currently supported. Processing continues.

**Action**
None.

**CTRK174E**

CUU=cuuu HAS INADEQUATE MICROCODE FOR MULTI-HOP RDF

**Cause**
Enginuity 5x66 and earlier is not supported for remote operations. Processing terminates.

**Action**
Upgrade to Enginuity 5x67 or a later level of the operating environment. Alternatively, bypass this storage system.

**CTRK175E**

VIRTUAL DEVICE on xxxx bypassed

**Cause**
ChangeTracker Collector does not support storage system's virtual devices.

**Action**
Remove the virtual device from the control statements and resubmit.

**CTRK176I**

AT LEAST ONE VOLUME ON EMC SYMMETRIX SERIAL nnnnnnn-nnnnn

**Cause**
The Collector found at least one device on the storage system with the serial number nnnnnnn-nnnnn.

**Action**
Informational message that reports each storage system for which at least one Collector session exists.
CTRK179I

INVALID RA GROUP nn FOR RMT SYMDEV# xxxxxxxx GATEKEEPER cccc

Cause
The RA group is invalid.

Action
Change the RA group to a valid RA group for the remote request.

CTRK180I

INVALID DEVICE BYPASSED: GK ccuu DEV# xxxxxx HOPLIST yyyyyyy

Cause
The PowerMax/VMAX device number xxxxxx accessed through gatekeeper ccuu with hoplist yyyyyyy does not exist on the system or is invalid.

Action
None. The invalid device has been bypassed, execution continues.

CTRK181E

RDFGRP IS EMPTY OR DOES NOT EXIST
RDFGRP(ccuu,xx)

Cause
The SRDF group indicated by (ccuu,xx) is empty or does not exist.

Action
Correct the SRDF group specification and retry. If necessary, contact your Systems Programmer for valid values on your system.

CTRK182I

message-text

Cause
This message echoes input data from the ChangeTracker CONFIG DD statement.

Action
None.

CTRK201E

SORT FAILED RC=rrrrrrrrr
**Cause**
The ChangeTracker Reporter linked to the installation SORT routine and the sort failed with a return code of rrrrrrrr.

**Action**
Check for previous messages that may contain more information about the error.

---

**CTRK202E**

OPEN FAILED FOR DATA FILE RC=rrrrrrrr

**Cause**
The ChangeTracker Reporter attempted to open the ChangeTracker dataset and the open failed. The JCL should have the ChangeTracker dataset(s) allocated to DDNAME SORTIN.

**Action**
Check for previous messages that may contain more information about the error.

---

**CTRK203E**

NO SAMPLES IN SPECIFIED RANGE

**Cause**
The ChangeTracker Reporter found no records within the range specified or within the date and time specified by the DATE and TOD keywords.

**Action**
Check that the date and time are specified correctly. Check that the correct Collector dataset(s) is (are) specified in the JCL. The Summary report shows the time ranges of the data in the Collector dataset.

---

**CTRK204E**

NO SAMPLES IN INPUT FILE

**Cause**
The ChangeTracker Collector file contains no data.

**Action**
Check that the correct dataset is allocated to SORTIN in the JCL. Check that the ChangeTracker Collector ran successfully and check message “CTRK133I” in the Collector for the proper dataset name.

---

**CTRK205E**

vvvvvv DSNILST ERROR - RC=rrrr, RS=ssss

**Cause**
Internal error.
Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

CTRK206E

vvvvv DSNXTNT ERROR - RC=rrrr, RS=ssss

Cause
Internal error.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

CTRK207E

DSN= dsname

Cause
Internal error.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

CTRK208E

TOO MANY DATASETS ON VOLUME vvvvvv

Cause
The ChangeTracker Reporter has an architectural limitation of handling a maximum of 700 datasets per volume. Volume vvvvvv has more than 700 datasets on it.

Action
None.

CTRK209E

XX
### CTRK209I

**Cause**

<table>
<thead>
<tr>
<th>XX</th>
<th>Cause</th>
</tr>
</thead>
<tbody>
<tr>
<td>Change Tracker Report – Invalid data</td>
<td>Invalid input data in the Change Tracker Collector log dataset.</td>
</tr>
<tr>
<td>RECORD LONGER THAN INRECL</td>
<td>Input record is longer then the input buffer size.</td>
</tr>
</tbody>
</table>

**Action**

Use a valid Change Tracker Collector log dataset or contact Dell EMC Customer Support.

---

**CTRK209W**

**Cause**

BEGIN REPORT BY SYMMETRIX (or VOLSER or DATASET)

**Action**

None.
**CTRK210W**

DATA RECORD NOT RECOGNIZED

**Cause**
ChangeTracker Reporter encountered a record that it did not recognize. The Reporter may need to be upgraded to a later release of ChangeTracker.

**Action**
None. The record is ignored.

**CTRK211E**

START TIME > END

**Cause**
The start time on a TIME control card is after the END time.

**Action**
correct the DATE and or TIME statement and resubmit

**CTRK212E**

INVALID LOG FORMAT

**Cause**
Change Tracker Collector log has an invalid format for this version of Change Tracker Reporter.

**Action**
Check if the version of Change Tracker Reporter corresponds to the version of Change Tracker Collector used to create the Collector log. Process Collector log with the same version of Reporter as the version of Collector used to create the Collector log.

**CTRK213I**

SEVERAL INVALID LOG RECORDS WERE SKIPPED, PROCESSING CONTINUES

**Cause**
While processing the ChangeTracker Collector log, ChangeTracker Reporter found a log record that contained wrong extent information (extent is located beyond of volume). The invalid record was skipped and processing continued.

**Action**
None.
7.6 COLLECTOR LOG IS BEING PROCESSED

**Cause**
The ChangeTracker Reporter is processing the 7.6 Collector log dataset.

**action**
None.

INVALID COMMAND

**Cause**
An operator command was issued to the ChangeTracker Collector and the command was invalid.

**Action**
Use the HELP command for more help. See the description of HELP in the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide for the valid commands.

VALID SUBCOMMANDS FOR STOP ARE RETAIN AND PURGE

**Cause**
User specified something other than “RETAIN” or “PURGE.”

**Action**
Re-issue STOP command.

INVALID DISPLAY COMMAND => DISPLAY subcommand

**Cause**
A DISPLAY command was issued and the DISPLAY subcommand was invalid.

**Action**
Be sure that the DISPLAY command has valid subcommands. See the descriptions of DISPLAY CYCLE, DISPLAY DEVICE, and DISPLAY LOG in the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide for more information.
CTRK303E

PARM ERROR - NO PARMS

Cause
A command which required one or more parameters was issued with no parameters.

Action
Re-enter the command with the proper syntax. Use the HELP command for assistance.

CTRK304E

PARM ERROR - PARM TOO LONG

Cause
A command was entered with a parameter that exceeded 16 characters.

Action
Re-enter the command with the proper syntax. Use the HELP command for assistance.

CTRK305E

INVALID CUU NUMBER FOR DISPLAY => cuu number

Cause
A DISPLAY DEVICE command was entered with a CUU number operand and the CUU number was not valid.

Action
Re-enter the command with the proper syntax. Use the HELP command for assistance.

CTRK306E

DEVICE ddddd IS NOT IN THE CONFIG DEVICE LIST

Cause
A DISPLAY DEVICE command was entered with an operand specifying either a CUU number or a volser. The specified device, ddddd, was not found in the list of devices for which the ChangeTracker Collector is to gather statistics.

Action
Re-enter the command using a device that is in the list of defined devices. See the description of DISPLAY DEVICE in the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide for more information.
**CTRK307E**

**LOGNUM PARAMETER MUST BE A NUMBER BETWEEN 1 AND 9999**

**Cause**
A LOGNUM command was entered with an operand that was not a valid number. A LOGNUM operand must be an integer between one and 9999.

**Action**
Re-enter the command with an integer between 1 and 9999.

---

**CTRK308E**

**INVALID PARAMETER FOR VOLSER**

**Cause**
The operator command to change the volser of the log data set was invalid.

**Action**
Specify a valid volser for the log file and re-issue the command to ChangeTracker.

---

**CTRK309E**

**XXXX-XXXX IS AN INVALID DEV RANGE**

**Cause**
This message is issued when the user inputs an invalid VMAX device range into the DEVICE_LIST parameter field. This message indicates that the user specified a starting VMAX device number that is greater than the ending VMAX device number.

**Action**
Change the VMAX device range in the DEVICE_LIST parameter and try again.

**More Information**
This message is for Versions 7.3 and 7.4 of the Dell EMC ChangeTracker Utility.

---

**CTRK310I**

**COMMAND COMPLETED**

**Cause**
The command has completed successfully.

**Action**
None.
CTRK311E

INSUFFICIENT STORAGE TO ALLOCATE xxxxxxx

Cause
Insufficient private storage was available for processing.

Action
Increase the region size of the ChangeTracker address space.

CTRK312E

SCFG ERROR. RC=xxxxxxxx RS=xxxxxxxx

Cause
An error was detected while attempting to access GNS. The return code and reason code is displayed.

Action
Consult GNS reason code documentation to interpret the return code and reason code. Correct the error and restart ChangeTracker.

CTRK313E

GROUP NAME SERVICES NOT ACTIVE

Cause
Group Name Services (GNS) is not active. GNS is required for ChangeTracker to function.

The SCF.GNS.ACTIVE parameter in the SCF ini file is not set to YES or you are running a version of ResourcePak Base that does not support GNS.

Action
Start GNS and retry.

CTRK314E

SCFG NAME IS INVALID => gns_group_name

Cause
A GNS group with an invalid name or missing group was encountered while processing the configuration file.

Action
Correct the GNS group name that is in error or, if group is missing, add the group with the EMCGROUP utility and then restart ChangeTracker.
**DCOMP00I**

NUMDEV IS TOO LARGE, SET TO 32

**Cause**
The NUMDEV parameter specified a value greater than 32.

**Action**
The number is reduced to 32.

**DCOMP01E**

INVALID PARM STRING STARTING AT CHARACTER: a

**Cause**
An invalid input parameter was specified.

**Action**
Correct the parameter.

**DCOMP02E**

INVALID cuu2 FIELD

**Cause**
An invalid input parameter was specified.

**Action**
Correct the parameter.

**DCOMP02I**

cnu, n DEVICE PAIRS. y PAIRS EQUAL

**Cause**
Provides the status of the compare processing.

**Action**
None.

**DCOMP03E**

TEMP PARM AREA INVALID: a

**Cause**
Internal logic error.
### Action
None.

### DCOMP04E

**VOL1 UCB ADDRESS NOT FOUND**

**Cause**
The UCB for the specified volser was not found.

**Action**
Specify a valid volser.

---

### DCOMP04I

**NUMBER OF DEVICE COMPARES = n**

**Cause**
Indicates the number of devices compared in the operation.

**Action**
None.

---

### DCOMP05E

**VOL2 UCB ADDRESS NOT FOUND**

**Cause**
The UCB for the specified volser was not found.

**Action**
Specify a valid volser.

---

### DCOMP20E

**INPUT PARM INVALID STARTING AT: a**

**Cause**
The input parameter string is invalid.

**Action**
Correct the parameter.

---

### DCOMP21E

**cuu1 OR cuu2 FAILED CHAR TO HEX CONVERSION**
Cause
The specified cuu has an invalid character(s).

Action
Correct the cuu.

DCOMP22E

ERROR: UCB AT CUU=cccc NOT FOUND

Cause
The UCB for the specified CUU was not found.

Action
Specify a valid device address.

DCOMP23I

(cuu1-cuu2) 3880/03 RETRY IN EFFECT

Cause
Devices from cuu1 to cuu2 contained on a 3880 storage system.

Action
Provide additional recovery on a unit check.

DCOMP24I

COMPARE n CYLS ON xx

Cause
Specifies the number of cylinders to be checked on the devices.

n is the cylinder skip count.

xx is the message format. It depends on different cases of devices comparison.

<table>
<thead>
<tr>
<th>xx</th>
<th>Compared devices</th>
</tr>
</thead>
<tbody>
<tr>
<td>cuu1 TO cuu2. SAMPLE RATE IS z</td>
<td>local to local</td>
</tr>
<tr>
<td>cuu1 TO RMT(cuu2). SAMPLE RATE IS z</td>
<td>local to remote</td>
</tr>
<tr>
<td>RMT(cuu1) TO RMT(cuu2). SAMPLE RATE IS z</td>
<td>remote to remote</td>
</tr>
</tbody>
</table>

Action
None.
DCOMP25E

CSW AND/OR SENSE NOT EQUAL, CCHH cccccccc/h

Cause
The device status, subchannel status, and byte count in the CSW are not equal for the I/Os on the specified track. This is considered an error, as the status must be equal before the tracks are compared.

Action
None. Message DCOMP26E is issued following this message.

DCOMP26E

CUU1 cuu1 a b // CUU2 cuu2 c d

Cause
This message is issued in combination with message DCOMP25E.

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
</table>
| a     | Specifies the following for cuu1:  
  - The device status  
  - Subchannel status  
  - Byte count in the CSW |
| b     | Specifies the first two bytes of sense data for cuu1. |
| c     | Specifies the following for cuu2:  
  - The device status  
  - Subchannel status  
  - Byte count in the CSW |
| d     | Specifies the first two bytes of sense data for cuu2. |

Action
None.

DCOMP27E

TRACK MISMATCH AT CCHH cccccccc/hh

Cause
The two tracks being compared do not match.
Action
None. Messages DCOMP28E through DCOMP31E are issued together with this message.

DCOMP28E

\textit{cuu1 BAD-DATA EXP: HA=}, R0=, TRK SIZE=, OFFSET=

Cause
Issued in combination with message DCOMP27E. See message DCOMP27E for message description.

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a)</td>
<td>Specifies the home address for \textit{cuu1}.</td>
</tr>
<tr>
<td>(b)</td>
<td>Specifies the record for \textit{cuu1}.</td>
</tr>
<tr>
<td>(c)</td>
<td>Track size in bytes.</td>
</tr>
<tr>
<td>(d)</td>
<td>Specifies the offset from the beginning of the five-byte home address of the first data miscompare on the track for \textit{cuu1}.</td>
</tr>
</tbody>
</table>

Action
None.

DCOMP29E

\textit{cuu2 BAD-DATA EXP: HA=}, R0=, TRK SIZE=, OFFSET=

Cause
Issued in combination with message DCOMP28E. See message DCOMP28E for message description.

Action
None.

DCOMP30E

\textit{TRK1 @ OFFSET: }\(a\)

Cause
Issued with message DCOMP28E indicating a track was not the same on both devices. This message displays the track information on the CUU1 device at the offset of the first data miscompare. The offset is calculated from the start of the 5-byte HA.

Action
None.
DCOMP31E

TRK2 @ OFFSET: a

Cause
See message DCOMP30E.

Action
None.

DCOMP32I

DEVICE cuu1 AND cuu2 ARE EQUAL

Cause
Indicates that the specified devices are equal.

Action
None.

DCOMP33I

cuu1 WORKING ON CCHH cccccc/hh(/200 CYLS|/120 SECS)

Cause
This informational message is issued every 200 cylinders or 120 seconds to show the progress of the device compare.

Action
None.

DCOMP34W

cuu1 ERROR ON TRACK a. WILL SKIP TRACK

Cause
When the utility encounters certain error conditions while reading a track, it bypasses the error and skips the track.

Action
You may want to determine the reason for the I/O failure on the device.

DCOMP35E

VOLSER=volser NOT FOUND OR DEVICE IS OFFLINE
Cause
The volume specified was not found.

Action
Vary the volser online or specify a CUU.

DCOMP36E

BAD SYMDEVICE CALL FOR CUU=cccc, RC=xxxx, RS=yyyy

Cause
Disk Compare was unable to access the device.

Action
Ensure that the device is accessible.

DCOMP37E

UCB NOT FOUND FOR cuu

Cause
SCANUCB subroutine failed to find the UCB for the CUU.

Action
Specify a valid CUU.

DCOMP38E

NO_DEFAULT_RA_GROUP FOR CUU cccc

Cause
A remote compare was specified, but no remote routing was specified and the device does not have a default remote routing.

Action
Explicitly specify the remote routing to access the device.

DCOMP39E

SCF IS NOT ACTIVE

Cause
SCF is not active.

Action
Start SCF.
DCOMP41E

BAD FC01 CALL FOR cuu, R15=xxxxxxxx, R0=yyyyyyyy

Cause
An attempt to access the remote device failed.

Action
Check the control statement and/or activate the link to the remote device.

DCOMP42I

DEVICE cuu1 AND cuu2 ARE BEING UPDATED, BUT STILL COMPARE

Cause
A track from each device failed to compare equally. When this happens, it is possible that the device or devices are being updated simultaneously. Disk Compare re-reads miscompared tracks up to three times.

Action
None.

DCOMP44E

I/O ERROR, CUU=cccc, IOBRC=xxxx

Cause
An I/O error occurred. IOBRC is the IOBRC field.

Action
None.

DCOMP45E

ERROR - DEVICE NOT READY

Cause
The device is not ready.

Action
Make the device ready. Specify a valid volser for the log file and reissue the command to Disk Compare.

DCOMP48I

DISK COMPARE STARTING ON CCHH=cccccccc
Cause
The number of the first cylinder to be compared.

Action
None.

DCOMP51E

JOB ENDED WITH ERRORS

Cause
The job encountered one or more errors while processing.

Action
Correct the error(s) and resubmit the job.

DCOMP81E

JOB ENDED WITH ERRORS [SYSTEM_CODE=',W_ABEND]

Cause
The job encountered one or more errors while processing.

Action
Correct the error(s) and resubmit.

DCOMP87E

EDCX$RMT ERROR : R15=xxxxxxxx, R0=yyyyyyyy

Cause
Disk Compare calls a subroutine, EDCX$RMT, to read the data from a remote device. The EDCX$RMT subroutine had an I/O error:

- R15=00000004 - Warning
- R15=00000008 - Error
- R0= (see below).

All EDCX$RMT error codes are listed here, although many are not obtainable from Disk Compare.

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>UCB FAILED VALIDATION</td>
</tr>
<tr>
<td>02</td>
<td>DEVICE IS NOT AN R1</td>
</tr>
<tr>
<td>03</td>
<td>SYSCALL 157 NOT SUPPORTED</td>
</tr>
<tr>
<td>04</td>
<td>TARGET NOT READY</td>
</tr>
<tr>
<td>05</td>
<td>CCHH IS INVALID</td>
</tr>
<tr>
<td>Value</td>
<td>Description</td>
</tr>
<tr>
<td>-------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>09</td>
<td>READ R2 DATA FAILED (SYSCALL 157)</td>
</tr>
<tr>
<td>0A</td>
<td>SYSCALL 100 FAILED</td>
</tr>
<tr>
<td>0B</td>
<td>SAICALL FAILED</td>
</tr>
<tr>
<td>0C</td>
<td>DATA BUFFER ADDRESS IS INVALID</td>
</tr>
<tr>
<td>0D</td>
<td>Failed to acquire storage</td>
</tr>
<tr>
<td>0E</td>
<td>PARMLIST INVALID</td>
</tr>
<tr>
<td>0F</td>
<td>DEVICE TYPE UNKNOWN</td>
</tr>
<tr>
<td>1F</td>
<td>SAICALL failed for RMT R2</td>
</tr>
<tr>
<td>10</td>
<td>CCHH MISMATCH IN COUNT FIELD</td>
</tr>
<tr>
<td>11</td>
<td>TRKCALC FAILED</td>
</tr>
<tr>
<td>12</td>
<td>END OF EXTENT</td>
</tr>
<tr>
<td>15</td>
<td>SAICALL failed for RMT R21/R2</td>
</tr>
<tr>
<td>23</td>
<td>CRC SYSCALL TIMEOUT, PLEASE RETRY</td>
</tr>
<tr>
<td>102</td>
<td>Bad mirror</td>
</tr>
<tr>
<td>103</td>
<td>Bad Mirror</td>
</tr>
<tr>
<td>104 or higher</td>
<td>Syscall error</td>
</tr>
</tbody>
</table>

**Action**
DCOMP87E is only issued if EDCX$RMT does not return one of its messages. Check the remote link. If no errors are found, contact the Dell EMC Customer Support Center for technical assistance.

**DCOMP88E**

INVALID SOURCE AND TARGET SPECIFIED FOR COMPARE CUU1 IS RMT WHILE CUU2 IS LCL

**Cause**
A remote source device and a local target device were specified. This is not allowed.

**Action**
Make CUU1 the local device and CUU2 the remote device.

**DCOMP89E**

MISMATCH AT [HOST REPLICATED] RECORD NUMBER nnnnnnnn ON CYLINDER cccccc TRACK hh
**Cause**
This message is issued for the source device, CUU1, when a CRC record mismatch is found.

[HOST REPLICAleted] indicates that the record was written by host replication software such as Mirror Optimizer or zHyperWrite.

**Action**
None.

**DCOMP90E**

MISMATCH AT [HOST REPLICAleted] RECORD NUMBER nnnnnnnn ON CYLINDER cccccccc TRACK hh

**Cause**
This message is issued for the target device, CUU2, when a CRC record mismatch is found.

[HOST REPLICAleted] indicates that the record was written from host replication software such as Mirror Optimizer or zHyperWrite.

**Action**
None.

**DCOMP91E**

FAILED TO OBTAIN VTOC INFORMATION

**Cause**
This message displays when Disk Compare is unable to obtain the VTOC information from the device.

**Action**
Check VTOC information on the specified device.

**DCOMP92E**

FAILED TO OBTAIN CRC VALUES

**Cause**
This message displays when Disk Compare has found a mismatch but is unable to obtain the CRCs to display the exact record which failed to compare.

**Action**
None.

**DCOMP93I**

Thin device was found, CYLSKIP switched to ALLOC
**Cause**
A thin device on the remote site was found at the Disk Compare parameters list, so the CYLSKIP parameter was switched to the ALLOC value to bypass compare tracks that are not allocated.

**Action**
None.

---

**DCOMP99I**

**UNKNOWN DSCB TYPE=dcbtype IGNORED**

**Cause**
This message displays when Disk Compare has found an unknown DSCB block type `dcbtype` in VTOC on the device. Disc Compare reads VTOC on the device when the ALLOC parameter is specified. When `dcbtype` is missing in the message, it means that the device is inaccessible (NotReady, for example).

**Action**
None. Invalid data is ignored, execution continues.

---

**ECNTL00E**

**message-text**

**Cause**
An internal error occurred during gatekeeper selection.

**Action**
Contact Dell EMC Customer Support if the problem persists.

---

**ECNTL01E**

**No valid paths to controller serial-no found**

**Cause**
No functional paths (that is, local gatekeeper devices or remote paths through another storage system) were found to the indicated storage system.

**Action**
Correct the state of the gatekeeper devices for the indicated storage system, or select different gatekeeper devices for the storage system. Issuing MVS commands DS QD and DS P for the inaccessible devices may provide more information as to what is the problem.

---

**ECNTL02E**

**Gatekeeper device is not accessible esd- CUU ccuu, UCB@ ucb-address, RS reason-code (reason-text)**
Cause
The specified gatekeeper device is not accessible. The device was found to be in an invalid state.

Reason codes are as follows:
1 - UCBID specifies a non-standard ID
2 - UCFLA specifies an invalid state
3 - UCFLB specifies an invalid state
4 - UCBMIHTI specifies an invalid state
5 - UCBHOTIO specifies an invalid state
6 - UCBMIHFG specifies an invalid state
7 - UCBMIHFG specifies an invalid state
8 - UCBLPM specifies an invalid state
9 - UCB not found
10 - UCB not valid
11 - UCB prefix not found
20 - I/O error occurred
32 - No paths
72 - I/O timeout occurred
99 - API error occurred

Action
Correct the state of the device, or select a different gatekeeper device, if necessary. Issuing MVS commands DS QD and DS P for the inaccessible device may provide more information as to what is the problem.

ECNTL03E

api-function API call failed - R15 emcsai-rc, RC emcrc, RS emcrs, RCX emcrcx, CUU ccuu, UCB@ ucb-address, Hoplist hoplist

Cause
The indicated SymmAPI call failed during gatekeeper selection. Diagnostic information is provided for Dell EMC use.

Action
Contact Dell EMC Customer Support if the problem persists.

ECNTL04E

SCF gatekeeper request failed - RC return-code, RS reason-code (reason-text)

Cause
Gatekeeper selection failed because gatekeepers could not be obtained from SCF.

Reason codes are as follows:
85 - Request timed out
86 - SCFDEVIC is not active
88 - ALESERV ADD error *ale-serv-rc*
89 - Data not found
92 - Data not found
94 - SCF has not completed init
95 - SCF is not active
96 - Internal error
97 - Error releasing lock
98 - SCF has not completed init
99 - Abend *abend-code* occurred

**Action**
Ensure SCF is active and initialized. Verify that your JCL includes the correct SCF
$nnnn DD DUMMY statement, where *nnnn* is the SCF subsystem name.

---

**ECNTL05E**

**SCF is not active**

**Cause**
SCF is not running, or the SCF$nnnn DD DUMMY statement in the JCL does not
specify the correct SCF subsystem name.

**Action**
Start SCF, or correct the SCF$nnnn DD DUMMY statement in the JCL (where *nnnn*
is the SCF subsystem name), and retry.

**Note**
The default SCF subsystem name is 'EMC', in which case the SCF$nnnn DD DUMMY
statement is optional.

---

**EDYNA00E**

**message-text**

**Cause**
An internal error occurred during dynamic allocation.

**Action**
Contact Dell EMC Customer Support if the problem persists.

---

**EDYNA01I**

**dd-name allocated as dd-parms**
**Cause**
The specified DD name was dynamically allocated using the parameters indicated. The parameters are shown in the same format that would be specified on a DD statement in JCL.

**Action**
To avoid this message, add the specified DD to the JCL using the parameters indicated, if appropriate.

---

**EDYNA10E**

**Cause**
Dynamic allocation failed for the specified DD.

**Action**
See the DYNALLOC return and reason codes in the z/OS MVS Programming: Authorized Assembler Services Guide.

---

**EDYNA11E**

**Cause**
Error code analysis for dynamic allocation failed.

**Action**
See the DAIRFAIL return and reason codes in the z/OS TSO/E Programming Services Guide.

---

**EREGN00E**

**Cause**
An internal error occurred while attempting to query REGION limits and usage.

**Action**
Contact Dell EMC Customer Support if the problem persists.

---

**EREGN01I**

```
REGION limits and usage
---------------------------------------------
<table>
<thead>
<tr>
<th>Limit</th>
<th>Allocated</th>
<th>% Alloc</th>
</tr>
</thead>
<tbody>
<tr>
<td>above_lim</td>
<td>above_alc</td>
<td>above_%_alc</td>
</tr>
<tr>
<td>below_lim</td>
<td>below_alc</td>
<td>below_%_alc</td>
</tr>
</tbody>
</table>
```
Cause
This report displays above and below the line REGION limits and usage information for the address space where the message is issued, including the following:
- Above the line REGION limit
- Above the line REGION allocation
- Above the line REGION percent allocation
- Below the line REGION limit
- Below the line REGION allocation
- Below the line REGION percent allocation

Action
None.

ERDFG00E

Cause
An internal error occurred during SRDF group discovery.

Action
Contact Dell EMC Customer Support if the problem persists.

ERDFG01E

Cause
SCF is not running, or the SCF$nnnn DD DUMMY statement in the JCL does not specify the correct SCF subsystem name.

Action
Start SCF, or correct the SCF$nnnn DD DUMMY statement in the JCL (where nnnn is the SCF subsystem name), and retry.

Note
The default SCF subsystem name is ‘EMC’, in which case the SCF$nnnn DD DUMMY statement is optional.

ERDFG02E

api-function API call failed – R15 emcsai-rc, RC emcrc, RS emcrs, RCX emcrcx, CUU ccuu, UCB@ ucb-address, Hoplist hoplist
**Cause**
The indicated SymmAPI call failed during SRDF group discovery. Diagnostic information is provided for Dell EMC use.

**Action**
Contact Dell EMC Customer Support if the problem persists.

---

**EGRP001S**

**OUTPUT LISTING DD STATEMENT (nn) MISSING**

**Cause**
The (nn) SYSPRINT or REPORT DD statements are missing.

**Action**
Update the JCL with the //SYSPRINT DD and/or the //REPORT DD statements.

---

**EGRP010I**

**PARSE COMPLETE FOR STATEMENT #**

**Cause**
The GNS statements have begun syntax checking.

**Action**
Ensure the syntax parsed properly.

---

**EGRP020I**

**BEGIN EXECUTING STATEMENT #**

**Cause**
The GNS statement is being executed.

**Action**
None.

---

**EGRP021I**

**PROCESSING ENDED FOR STATEMENT #**

**Cause**
The GNS statement has been processed.

**Action**
Check the return/reason code for the disposition of the group. Refer to the description of GNS reason codes in the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide.
EGRP032E

GROUP NAME FOR SARPOOL IS LIMITED TO 55 CHARACTERS

Cause
The group name specified for the SARPOOL option exceeds 55 characters.

Action
Reduce the group name to 55 characters.

EGRP034E

SARPOOL does not support RDF GROUP syntax.

Cause
The SARPOOL definition contains unsupported syntax.

Action
Correct the syntax and resubmit.

EGRP035E

YOU MAY NOT SPECIFY GROUP ATTRIBUTES SUCH AS STATIC/DYNAMIC WHEN EXTEND IS SPECIFIED

Cause
The STATIC/DYNAMIC group attribute cannot be specified when EXTEND is used.

Action
Correct the statement.

EGRP036E

ENTERPRISE groups must always be STATIC.

Cause
A GNS DEFINE ENTERPRISE GROUP command was used with the DYNAMIC parameter. By definition, Enterprise groups may not be dynamic. Therefore, the syntax has been considered as incorrect and the input data stream has not been executed.

Action
Correct and reissue the command. To define an Enterprise group, the statement must not contain the DYNAMIC parameter. However, a regular or Gold Copy BCV group may be defined as dynamic.
EGRP037E

Gold Copy BCV Groups do not support RDF GROUP syntax

**Cause**
A GNS DEFINE GROUP command was issued with the GCOPYBCV (Gold Copy BCV) parameter. The command also specifies RDF GROUP syntax, but Gold Copy BCV groups may not contain SRDF groups. By definition, Gold Copy BCV groups may only contain BCVs. Therefore, the command has failed and return code 8 has been set.

**Action**
Correct and reissue the command. The GCOPYBCV and RDF GROUP syntax are mutually exclusive. To define a Gold Copy BCV group, the definition must not contain SRDF groups. On the other hand, to define a GNS group containing SRDF groups, the definition must not contain the GCOPYBCV parameter.

EGRP061E

INCLUDE SYMMDEV# RANGE ERROR, VALUE value1 SHOULD BE GREATER THAN VALUE value2

**Cause**
A PowerMax/VMAX device range was specified incorrectly: value1 should be greater than value2.

**Action**
Correct and retry.

EGRP080E

SMS STORAGE GROUP NAME IS INVALID

**Cause**
The specified SMS name cannot be found.

**Action**
Review the SMS name and update the JCL with a valid SMS Storage Group name.

EGRP090I

Format 1:

DEFINE OF GROUP ' '

Format 2:

DEFINE OF ENTERPRISE GROUP ' '
Format 3:

REMOVE FROM GROUP ' '  

**Cause**
For the first two message formats, the indicated group will be defined, depending on the return/reason code. For the third format, the specified message will be removed from the indicated group.

**Action**
"Group Name Service reason codes" in the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides more information.

---

**EGRP100I**

DELETE OF GROUP ' '  

**Cause**
The enterprise group ' ' will be deleted, depending on the return/reason code.

**Action**
"Group Name Service reason codes" in the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides more information.

---

**EGRP110I**

RENAME OF GROUP 'nn' TO 'nnn'  

**Cause**
A rename group command was requested.

**Action**
Refer to the description of GNS reason codes in the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide.

---

**EGRP120I**

DISPLAY OF GROUP  

or  

LIST GROUP  

**Cause**
The GNS DISPLAY or GNS LIST command was requested.

**Action**
Review the REPORT DD for the group information.
EGRP130I

DEFINE COMPLEMENT ' '  

Cause
No SRDF devices are associated with the group you are trying to complement.

Action
Specify a valid group. Refer to the description of GNS reason codes in the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide for more information.

EGRP588E

Symmetrix API call failed for device ccuu (function/r15/rc/rs/rc)

Cause
A GNS batch command was issued, and a Symmetrix API error occurred for the specified device. If the command failed or ended with a warning, a subsequent message will indicate the reason.

Action
Ensure the device indicated in the message is accessible. If there is a problem with the device, correct the problem and reissue the command. If the device is inaccessible, issuing MVS commands DS QD and DS P for that device may provide more information as to what is the problem. If the device is accessible and the problem persists, contact Dell EMC Customer Support for technical assistance.

More Information
The information in parenthesis is for Dell EMC use and identifies the Symmetrix API function, register 15 upon return from the API, and the EMCRG, EMCRS, and EMCRCX codes, respectively.

EGRP723E

Device ccuu is not accessible - reason code reason_code (reason_text)

Cause
A GNS batch command was issued, but the specified device is not accessible. The device was found to be in an invalid state. If the command failed or ended with a warning, a subsequent message will indicate the reason.

Action
Correct the state of the device, or select a different device, and reissue the command. Issuing MVS commands DS QD and DS P for the inaccessible device may provide more information as to what is the problem. See below for the possible reason code values.

Reason code values:
01 - UCBID specifies a non-standard ID
02 - UCFLA specifies an invalid state
EMCCWD5E

CHK-WRENABLE failed for range: xxxxxx-yyyyyy

Cause
During the processing of the SC FAVOL,...,WRITEENABLE command, an error was encountered while checking the status for the specified range.

Action
This message is followed by message EMCCWD2E with a text message describing the error.

EMCP001I

input data

Cause
Use to echo the input data stream.

Action
None.

EMCP002E

INTERNAL ERROR, PARSER REQUIRES 6 PARAMETERS

Cause
The parser has been invoked with the wrong number of parameters.

Action
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCP010E

*
Cause
The previous input data had an error. This message identifies where in the input data
the error occurred.

Action
Correct the error indicated.

EMCP011E

LITERAL EXPECTED; FOUND: value

Cause
While parsing the input data stream, a syntax error was detected. A literal string was
expected but not found.

Action
Correct the input data stream and supply the literal value.

EMCP012E

IDENTIFIER EXPECTED; FOUND: value

Cause
While parsing the input data stream, a syntax error was detected. An identifier was
expected but not found.

Action
Correct the input data stream and supply the identifier.

EMCP013E

INVALID COMMAND WORDING; FOUND: value

Cause
While parsing the input data stream, a syntax error was detected. A keyword was
expected but not found.

Action
Correct the input data stream and specify a valid keyword for the command.

EMCP014E

COMMAND NOT RECOGNIZED; FOUND: value

Cause
While parsing the input data stream, a syntax error was detected. The first word in
the command must be a recognizable command.

Action
Correct the input data stream and specify a valid command.
EMCP015E

LEFT PAREN EXPECTED; FOUND: value

Cause
While parsing the input data stream, a syntax error was detected. A left parenthesis is expected to follow a keyword, surrounding the keyword value.

Action
Correct the input data stream and enclose the keyword value in parenthesis.

EMCP016E

RIGHT PAREN EXPECTED; FOUND: value

Cause
While parsing the input data stream, a syntax error was detected. A right parenthesis is expected to terminate a value being specified for a keyword.

Action
Correct the input data stream and enclose the keyword value in parenthesis.

EMCP017E

NUMBER EXPECTED; FOUND: value

Cause
While parsing the input data stream, a syntax error was detected. A numeric value is expected, but not found.

Action
Correct the input data stream and specify a valid numeric value for the keyword.

EMCP018E

EQUAL EXPECTED; FOUND: value

Cause
While parsing the input data stream, a syntax error was detected. An equal sign was expected, but not found.

Action
Correct the input data stream and specify a valid value for the keyword.
EMCP019E

REQUIRED PARAMETER MISSING; FOUND: value

**Cause**
While parsing the input data stream, a syntax error was detected. A required parameter was expected, but not found.

**Action**
Correct the input data stream and specify the required parameter for the keyword.

EMCP020E

EXTRANEOUS DATA IN COMMAND; FOUND: value

**Cause**
While parsing the input data stream, a syntax error was detected and extraneous data was found.

**Action**
Correct the input data stream.

EMCP021E

COMMA EXPECTED; FOUND: value

**Cause**
While parsing the input data stream, a syntax error was detected. A comma was expected, but not found.

**Action**
Correct the input data stream.

EMCP022E

PERIOD EXPECTED; FOUND: value

**Cause**
While parsing the input data stream, a syntax error was detected. A period ' ' was expected, but not found.

**Action**
Correct the input data stream.
EMCP023E

DASH EXPECTED; FOUND: value

Cause
While parsing the input data stream, a syntax error was detected. A dash '-' was expected, but not found.

Action
Correct the input data stream.

EMCP024E

MINUS EXPECTED; FOUND: value

Cause
While parsing the input data stream, a syntax error was detected. A minus '-' was expected, but not found.

Action
Correct the input data stream.

EMCP025E

PERCENT EXPECTED; FOUND: value

Cause
While parsing the input data stream, a syntax error was detected. A percent '%' was expected, but not found.

Action
Correct the input data stream.

EMCP026E

PLUS EXPECTED; FOUND: value

Cause
While parsing the input data stream, a syntax error was detected. A plus '+' was expected, but not found.

Action
Correct the input data stream.
EMCP027E

SEMICOLON EXPECTED; FOUND: value

Cause
While parsing the input data stream, a syntax error was detected. A semicolon ';' was expected, but not found.

Action
Correct the input data stream.

EMCP028E

FORWARD SLASH EXPECTED; FOUND: value

Cause
While parsing the input data stream, a syntax error was detected. A forward slash '/' was expected, but not found.

Action
Correct the input data stream.

EMCP029E

NO LONGER SUPPORTED; FOUND: value

Cause
While parsing the input data stream, a syntax error was detected. A value was specified that is no longer supported at the current Mainframe Enablers level.

Action
Correct the input data stream.

EMCP031E

ERROR OCCURRED READING FROM INPUT FILE

Cause
An I/O error occurred while reading the input file.

Action
Correct the input file and submit again.

EMCP032E

ENDING QUOTE NOT FOUND ON INPUT LINE
Cause
A quoted literal string was encountered, but the ending quote was not found.

Action
Make sure that the entire quoted literal string is on the same input line.

EMCP033E

SKIPPING TO END OF COMMAND

Cause
A syntax error was detected and the rest of the input command is flushed.

Action
Correct the syntax error.

EMCP034E

FIELD IS TOO LARGE, IT SHOULD NOT EXCEED count CHARACTERS

Cause
A literal or identifier is larger than allowed. For instance, if a unitname was specified, it may not exceed 8 characters. If a dataset name was specified, it may not exceed 44 characters.

Action
Correct the literal or identifier value.

EMCP035E

FIELD VALUE HAS ALREADY BEEN SPECIFIED: field

Cause
The value for a field has already been specified for this command.

Action
Remove the duplicate value.

EMCP036E

INTERNAL ERROR: PERFORM DEPTH OVERFLOW

Cause
This is an internal error, indicating that the parser is not able to handle the input command.

Action
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**EMCP037E**

INTERNAL ERROR: PERFORM DEPTH UNDERFLOW

**Cause**
This is an internal error, indicating that the parser is not able to handle the input command.

**Action**
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**EMCP038E**

NUMERIC VALUE IS TOO SMALL, IT SHOULD NOT BE LESS THAN value

**Cause**
A numeric value has been parsed, and it is not within a valid range for the associated keyword.

**Action**
Correct the numeric value.

**EMCP039E**

NUMERIC VALUE IS TOO LARGE, IT SHOULD NOT EXCEED value

**Cause**
A numeric value has been parsed, and it is not within a valid range for the associated keyword.

**Action**
Correct the numeric value.

**EMCP040E**

FIELD OCCURRENCE EXCEEDS MAXIMUM OF number OCCURRENCES

**Cause**
Too many individual values have been specified for a keyword. For instance, you can only specify 60 volumes for the VOLUME parameter.

**Action**
Correct the number of individual values to be within the proper limits.
**EMCP041E**

HEX VALUE IS TOO SMALL, IT SHOULD NOT BE LESS THAN xxxxxxxx

**Cause**
A hex value was found and the valid was too small.

**Action**
Correct the hex value to within the appropriate limits.

**EMCP042E**

HEX VALUE IS TOO LARGE, IT SHOULD NOT EXCEED value

**Cause**
A hex value was found and the valid was too large.

**Action**
Correct the hex value to within the appropriate limits.

**EMCU001I**

GPM command complete

**Cause**
A pool management display or query request was successfully processed. Return code 0 is set.

**Action**
None.

**EMCU002I**

GPM command successful

**Cause**
A pool or storage group management action was successfully processed. Return code 0 is set.

**Action**
None.

**EMCU003E**

Input commands DD statement GPMINPUT is missing
**EMCU004W**

**Cause**
A pool management action was unsuccessful. This is a summary message; one or more previous error messages indicate the reasons for the failure. Return code 8 is set.

**Action**
Correct the problems indicated by the error messages and reissue the command.

**EMCU005W**

**Cause**
A pool or storage group management device action was requested. However, during validation, all devices in the specified range were found to be ineligible. Consequently, command processing was terminated after the validation phase. One or more previous device list messages indicate, for each device in the specified range, the reason it was found to be ineligible. Return code 4 is set.

**Action**
Examine the device list messages, and address the indicated reasons the requested devices were declared ineligible. Then reissue the command.

**EMCU006E**

**Cause**
A pool or storage group management device action was requested and the SKIP keyword was not included. During validation, some but not all devices in the specified range were found to be ineligible. Consequently, command processing was terminated after validation. One or more device list error messages indicate, for each ineligible device in the specified range, the reason it was found to be ineligible. Return code 8 is set.
Action
Examine the device list error messages, and note the reasons for which the ineligible devices were declared ineligible. If necessary, address those reasons. Alternatively, reissue the command including the SKIP keyword.

EMCU006I

COMMAND PROCESSED SUCCESSFULLY.

Cause
A pool or storage group management batch command was successfully processed. Return code 0 has been set.

Action
None.

EMCU007W

GPM command completed with warning

Cause
A pool or storage group management command with a QUERY or DISPLAY action was requested, but no devices (or other objects such as pools or tasks) were found satisfying the criteria for inclusion in the output. One or more preceding messages provide more detailed information. Return code 4 has been set.

Action
None unless the description of any preceding message dictates a specific course of action. However, the return code may be used in a batch command stream to guide subsequent processing.

EMCU008I

END OF COMMANDS FILE REACHED

Cause
All the commands in the input file have been processed.

Action
None.

EMCU009E

Expected continuation card not found

Cause
A pool or storage group management batch job was submitted. A continuation character was found (i.e., a dash was found at the end of a line), but the subsequent line is missing or empty, or no data was found in the first line of the input stream.
Action
Ensure that all lines ending with a continuation character are followed by a line containing the continued data. Also, ensure that the first line in the input stream contains data, either a command or comment. Commented lines must have an asterisk in the first column. Correct the problem, and resubmit the batch job.

EMCU009I

Requested devices

Cause
A pool or storage group management device action was requested. The devices listed were those specified to be processed by the command. Additional devices may be included for processing if FBA meta heads are among the listed devices.

Action
None.

EMCU00AI

Eligible devices

Cause
A pool or storage group management device action was requested. During the validation phase, the devices listed were found to be eligible to be processed for the requested action.

Action
None.

EMCU00BI

Completed devices

Cause
A pool or storage group management device action has been successfully processed for the listed devices.

Action
None.

EMCU00CI

Accepted devices

Cause
A pool or storage group management device action was requested. The action is handled by a background process. This message indicates that the listed devices have been passed to this background process. Subsequently, polling will be performed for a
period of time, after which the devices will be included in the device list for message EMCU00BI (action complete), EMCU00DI (action incomplete), or an error message (action failed).

Action
None.

EMCU00DI

Incomplete devices (check status)

Cause
A pool or storage group management device action was requested. The action is handled by a background process that has neither completed nor failed at the time of command completion for the devices listed. No further polling will be done to determine the outcome of the action for these devices.

Action
Continue to check the status of the devices listed until able to determine whether the action was successful or not.

EMCU00EI

FBA Meta members included

Cause
A pool management device action was requested and FBA meta head devices were among the requested devices. To ensure FBA meta consistency, all FBA meta members associated with requested head devices are also included even if not in the specified device range. The devices listed were such FBA meta members, and were consequently included.

Action
None.

EMCU00PI

*** Processing controller SymmID, SYMSG: symsg-name

Cause
For each command involving an SMS group, and for each storage system operated on as a result of that command, this message reports the serial number of the system and the name of the SMS group.

Action
None.
**EMCU00RI**

*** Requested volumes by SMSSG: sms-group-name [for controller SymmID] for SYMSG: symsg-name volume-list

**Cause**
For each command that cannot process an SMS or VOLUME group, and for each storage system operated on as a result of that command, this message reports the SMS group name, the storage system serial number, and the SYMSG name.

**Action**
None.

**EMCU00SI**

*** Devices for controller serial-number, SYMSG: symmsg-name volume-serial cuu# UCB@ DEV#=device#

**Cause**
For each command involving an SMS or VOLUME group, and for each storage system operated on as a result of that command, this message reports the storage system serial number and the SYMSG name.

Another form of this message follows each occurrence of EMCU00XI. That form lists the device referred to by the SMS storage group using one line for each device in the group.

**Action**
None.

**EMCU00TI**

*** Original SYMSG has SLO and SRP parameters:
SymmID slo-name srp-name

**Cause**
If a group needs to be created with the REFRESH or ADD commands on a storage system that has not previously participated, this message reports the SLO and SRP that were originally used and where. The message warns the user to assign values using the SET SYMSG command.

**Action**
None.

**EMCU00UI**

*** Nothing to do for controller

**Cause**
This message is produced if an ADD or REMOVE was requested but no devices actually needed to be added or removed.
**Note**

A REFRESH includes both REMOVE and ADD.

**Action**

None.

---

**EMCU00VI**

*** Undiscovered volumes [for SMSSG smsname]

volume-list,

---

**Cause**

If SMSRPT(DET) or VOLRPT(DET) is specified and there were any volumes which could not be identified with a device, then this message list the volumes. As many lines as required are written to display the entire list.

**Action**

None.

---

**EMCU00XI**

action based on [VOLUMES list | SMSSG: smsname]

**Cause**

Immediately following EMCU00SI, this message indicates the action to be taken (creating, adding, deleting, or removing) and the defining list, either VOLUMES or the named SMS group.

**Action**

None.

---

**EMCU010I**

message-text

**Cause**

A non-device-oriented QUERY or DISPLAY request was received. This message identifies the contents of the display, including what is being displayed, for example, pool, tasks, tiers, and so forth, and the serial number of the storage system for which the display was issued. The following are some examples:

- EMCU010I Tasks on Controller symm-serial
- EMCU010I Tiers on Controller symm-serial
- EMCU010I Pools on Controller symm-serial

**Action**

None.
**EMCU011I**

**message-text**

**Cause**
A pool management QUERY or DISPLAY request was received, and this message contains the headers for the columns in the display. The following are some examples:

<table>
<thead>
<tr>
<th>EMCU011I Task Type State Status MaxDelta</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMCU011I Tier name Id Type Tech Protection</td>
</tr>
<tr>
<td>EMCU011I Pool name Id Typ Stat Emul</td>
</tr>
<tr>
<td>EMCU011I Pool name Id Typ Stat Emul Class Speed</td>
</tr>
<tr>
<td>EMCU011I Pool name Id Typ Stat Emul Class Speed Alarms MaxO ActO</td>
</tr>
</tbody>
</table>

Field descriptions are as follows:

**Serial number**
The serial number of the storage system where the listed pools reside.

**API version**
The version of EMCSCF that was accessed to obtain pool information.

**Pool name**
The name of the pool.

**Id**
An internal pool identifier, used for diagnostic purposes.

**Typ**
The pool type defining the use for which the pool is intended:

- **T**
  (Thin)— Devices assigned to the pool contain data backing thin devices that are bound to the pool.

- **S**
  (Snap)— Devices assigned to the pool contain data involved in a TimeFinder Snap operation.

- **D**
  (DSE)— Devices assigned to the pool contain SRDF/A spill data for SRDF/A sessions when DSE is active and the DSE threshold has been exceeded.

Starting with HYPERMAX OS 5977, a single pool type, thin pools, is supported, which can be used for virtual provisioning, as well as for Snap and SRDF/A spillover (DSE).

**Emul**
The device emulation associated with the pool, 3390, FBA or none:

- **3390**
  3390 device emulation.

- **FBA**
FBA device emulation.

?  
No device emulation is established for the pool because no devices are assigned to the pool. If this appears, all device related fields for the pool are blank.

This field is blank for the default pools.

Stat  
The status of the pool. The value is one of the following:

Avail  
The pool's devices may accept track allocations.

Full  
The pool is full and cannot accept additional track allocations.

Undef  
The status is unknown.

This field is blank for the default pools.

Class  
Identifies the storage class of devices in the pool.

FIBRE  
Devices in the pool use Fibre Channel technology.

EXT  
EXT devices.

FLASH  
Devices in the pool are flash devices.

SATA  
SATA devices.

This field is blank if no devices are assigned to the pool and for the default pools. This appears only for non-empty thin pools on storage systems at Enginuity 5774 or a later level of the operating environment.

Speed  
The speed of devices in the pool.

7200  
7200 RPM.

10K  
10K RPM.

15K  
15K RPM.

FLASH  

This field is blank if no devices are assigned to the pool.
This appears only for thin pools on storage systems at Enginuity 5774 or a later level of the operating environment.

Alarms
This shows the warning and alert threshold values in effect for the pool. When pool space utilization reaches either value or goes below either value, processors are notified and may issue appropriate messages or take other action.

MaxO
This gives the maximum oversubscription ratio (for Enginuity 5874 or a later level of the operating environment) permitted for the pool. A request to bind or rebind a device to the pool, or a request to deactivate or drain an active pool device, is rejected if the ratio of the potential track allocation requirements of devices bound to the pool to the total size of enabled pool devices exceeds this value. This field is blank if oversubscription checking does not apply to the pool.

ActO
This shows the actual oversubscription ratio (for Enginuity 5874 or a later level of the operating environment) of the pool.

%-Used
This shows the percentage used for the pool. This is calculated by dividing the total number of used tracks for all active data devices in the pool by the total number of used and free tracks for all active data devices in the pool.

Reb
This shows whether or not the pool is currently rebalancing the used tracks amongst the active devices in the pool. The possible values are as follows:

Y — Pool is currently in the process of rebalancing
N — Pool is not currently in the process of rebalancing
— Pool is not currently in the process of rebalancing
If a pool does not indicate that it is rebalancing immediately after issuing a REBALANCE command, follow up with a subsequent DISPLAY. It may take a moment for the rebalancing operation to begin.
Depending on the VARIANCE specified on the REBALANCE command and the number of used tracks on the active devices in the pool, the rebalancing operation may complete very quickly.

Compress
This column shows the compression state of the thin pool. The possible values are:

Dis=>Ena
Pool is being enabled for compression.

Ena=>Dis
Pool is being disabled for compression.

Enabled
Pool is enabled for compression.

Disabled
Pool is disabled for compression.
Action
None.

EMCU013I

Devices in Thin Pool <poolname> on <serial_number> API Ver: <api_version>

Cause
A GPM DISPLAY command for a particular device pool on the storage system has been processed; this is a header line for the report.

For example:

EMCU013I Devices in Thin Pool DTTHINPOOL1 on 0001956-00057 API Ver: 7.40

Action
None.

EMCU014I

Format 1: QUERY ALLOC column headings

Device# Alloc Used Shared Persist Compress Pool

Format 2: QUERY ALLALLOCs column headings

Device# Alloc Compress Pool
Format 3: DISPLAY column headings when no explicit pool name is specified

<table>
<thead>
<tr>
<th>Device#</th>
<th>Emul</th>
<th>State</th>
<th>Used</th>
<th>Free</th>
</tr>
</thead>
</table>

**Cause**
A QUERY ALLOC, QUERY ALLALLOCS, or DISPLAY (with an explicit pool name) command was issued. This message contains the column headers for the resulting report.

The column header definitions for these displays are as follows:

- **Device#**
  Indicates the PowerMax/VMAX device number for the listed device.

- **Alloc**
  Indicates the total number of allocated tracks for the listed thin device.

- **Used**
  Indicates the total number of used tracks for the listed device.

- **Free**
  Indicates the total number of free tracks on the listed pool device.

- **Shared**
  Indicates the total number of shared tracks for the listed thin device.

- **Persist**
  Indicates the total number of allocated tracks with the persistent attribute set for the listed thin device.

- **Compress**
  Indicates the total number of tracks saved by compression for the listed thin device. If the device is not compressed, the number of tracks saved by compression will be zero.

- **Pool**
  Indicates the pool that the listed thin device is bound to (QUERY ALLOCS) or the pool that contains the allocations (QUERY ALLALLOCS).

- **Emul**
  Indicates the emulation of the listed pool device (3390, FBA, etc.):
  - **3390**
    3390 device emulation
  - **FBA**
    FBA device emulation
  - **?**
    No device emulation is established for the pool because no devices are assigned to the pool. If this appears, all device related fields for the pool are blank.
    This field is blank for the default pools.

- **State**
  Indicates the state of the listed pool device (Act, Inact, etc.). Values include:
**EMCU015I**

The state of the pool device is unknown.

The pool device is active.

The pool device is inactive.

The pool device is draining.

The pool device cannot be drained because it owns protected tracks.

The pool device is waiting for free space in the pool in order to finish draining.

**Cause**

A QUERY ALLOC or QUERY ALLOC ALLALLOCS command for a particular device pool on the storage system has been processed; this is a detail line for the report. This message follows message EMCU014I.

**Examples:**

QUERY ALLOC ALLALLOCS shows the allocations by device. ('Pool' represents the pool the device is bound to).

```
EMCU500I QUERY ALLOC ALLALLOCS LCL(CU(2101))
EMCU060I Thin Allocations on 0001956-00057 API Ver: 7.40
EMCU014I Device Alloc Pool
EMCU015I 00000028 564 MSFSTD
EMCU015I 00000029 12876 MSFSTD
EMCU015I 0000002A 120 MSFSTD
EMCU015I 0000002B 12 STORRECLAIM
EMCU015I 0000002C 12 STORRECLAIM
EMCU015I 0000002D 12 STORRECLAIM
EMCU001I GPM command complete
EMCU006I COMMAND PROCESSED SUCCESSFULLY.
```

QUERY ALLOC (without ALLALLOCS) shows the allocations by device by pool. ('Pool' represents the pool containing the allocations). There can be multiple lines per device...
if the device has allocations in more than one pool (for example, if the device was rebound to another pool and allocations still exist in the previous pool).

<table>
<thead>
<tr>
<th>Device</th>
<th>Alloc</th>
<th>Used</th>
<th>Shared</th>
<th>Persist</th>
<th>Pool</th>
</tr>
</thead>
<tbody>
<tr>
<td>00000028</td>
<td>564</td>
<td>540</td>
<td>0</td>
<td>0</td>
<td>MSFSTD</td>
</tr>
<tr>
<td>00000029</td>
<td>12876</td>
<td>12843</td>
<td>0</td>
<td>0</td>
<td>MSFSTD</td>
</tr>
<tr>
<td>0000002A</td>
<td>120</td>
<td>105</td>
<td>0</td>
<td>0</td>
<td>MSFSTD</td>
</tr>
<tr>
<td>...</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>00000C1D</td>
<td>12</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>STORRECLAIM</td>
</tr>
<tr>
<td>00000C1E</td>
<td>12</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>STORRECLAIM</td>
</tr>
<tr>
<td>00000C1F</td>
<td>12</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>STORRECLAIM</td>
</tr>
</tbody>
</table>

Where:
- **Device** indicates the PowerMax/VMAX device number.
- **Alloc** indicates the total number of allocated tracks.
- **Used** indicates the total number of used tracks.
- **Shared** indicates the total number of shared tracks.
- **Persist** indicates the total number of allocated tracks with the persistent attribute set.
- **Pool** indicates the pool that the device is bound to (QUERY ALLOCS) or the pool that contains the allocations (QUERY ALLOC ALLALLOCS).

**Action**
None.

---

**EMCU016I**

**NO DEVICES IN POOL**

**Cause**
A CONFIGPOOL DISPLAY command for a particular logpool on the storage system has been processed, but there are no devices in the pool.

**Action**
None.

---

**EMCU017E**

**Unrecognized CONFIGPOOL action xxxxxxxx**

**Cause**
During parsing of a CONFIGPOOL command, the action indicated was specified, but is not a supported action. This value error has resulted in rejection of the command with return code 12.

**Action**
Correct and resubmit the command.
**EMCU018E**

**CANNOT CREATE THE DEFAULT POOL**

**Cause**
A CONFIGPOOL command has been entered that is trying to create a pool named DEFAULT_POOL.

**Action**
Examine the input, correct the error, and submit the job again.

**EMCU019E**

**LOCAL, TARGET, AND REMOTE ARE MUTUALLY EXCLUSIVE**

**Cause**
A CONFIGPOOL command has been entered that has more than one of the three values.

**Action**
Examine the input, correct the error, and submit the job again.

**EMCU020E**

**CANNOT CREATE A POOL THAT ALREADY EXISTS**

**Cause**
A CONFIGPOOL command has been entered that is trying to create a duplicate pool name.

**Action**
Examine the input, correct the error, and submit the job again.

**EMCU021E**

**MICROCODE ON SYMMETRIX IS PRIOR TO 5X72**

**Cause**
A CONFIGPOOL command has been entered that has TYPE(DSEPOOL) and is trying to run against a storage system that does not support that.

**Action**
Examine the input, correct the error, and submit the job again.
EMCU022E

CANNOT DELETE THE DEFAULT POOL

Cause
A CONFIGPOOL command has been entered that is trying to delete the pool named DEFAULT_POOL.

Action
Examine the input, correct the error, and submit the job again.

EMCU023W

Pool poolname not found

Cause
A command was entered specifying a pool name. However, the requested pool poolname could not be found on the storage system to which the command was directed. Consequently, the action has failed. Return code 4 has been set.

Action
Determine whether an incorrect pool name was specified in the command or whether the pool was to have been created but has not yet been created. If the pool name was specified incorrectly, reissue the command specifying the correct pool name. If the pool is to be created, do so and reissue the command.

EMCU024E

Pool poolname not found on symmserial#

Cause
A command was entered specifying a pool name. However, the requested pool poolname could not be found on the storage system specified by symmserial# to which the command was directed. Consequently, the action has failed. Return code 8 has been set.

Action
Determine whether an incorrect pool name was specified in the command or whether the pool was to have been created but has not yet been created. If the pool name was specified incorrectly, reissue the command specifying the correct pool name. If the pool is to be created, do so and reissue the command.

EMCU025E

I/O ERROR RECEIVED WHILE CHECKING THE SYMETRIX MICROCODE LEVEL
**EMCU026E**

**I/O ERROR RECEIVED WHILE CREATING A POOL**

**Cause**
An unexpected return code was received from the storage system while trying to create a pool.

**Action**
Examine the input, verify the PowerMax/VMAX channel address, the log device number(s), and so forth. If any errors are found, correct the error, and submit the job again. If no errors are found, recreate the error with a GTF trace and contact the Dell EMC Customer Support Center for technical assistance.

**EMCU027E**

**I/O ERROR RECEIVED WHILE ADDING A DEVICE TO A POOL**

**Cause**
An unexpected return code was received from the storage system while trying to add a device to a pool.

**Action**
Examine the input, verify the PowerMax/VMAX channel address, the log device number(s), and so forth. If any errors are found, correct the error, and submit the job again. If no errors are found, recreate the error with a GTF trace and contact the Dell EMC Customer Support Center for technical assistance.

**EMCU028E**

**I/O ERROR RECEIVED WHILE DELETING A POOL**

**Cause**
An unexpected return code was received from the storage system while trying to delete a device from a pool.

**Action**
Examine the input, verify the channel address of the storage system, the log device number(s), and so forth. If any errors are found, correct the error, and submit the job again. If no errors are found, recreate the error with a GTF trace and contact the Dell EMC Customer Support Center for technical assistance.
## EMCU029E

**I/O ERROR RECEIVED WHILE RETRIEVING THE POOL NAMES**

**Cause**
An unexpected return code was received from the storage system while trying to retrieve the pool names.

**Action**
Examine the input, verify the PowerMax/VMAX channel address, the log device number(s), and so forth. If any errors are found, correct the error, and submit the job again. If no errors are found, recreate the error with a GTF trace and contact the Dell EMC Customer Support Center for technical assistance.

## EMCU030E

**I/O ERROR RECEIVED FROM ENABLE DEVICE COMMAND**

**Cause**
An unexpected return code was received from the storage system while trying to enable a device in a pool.

**Action**
Examine the input, verify the PowerMax/VMAX channel address, the log device number(s), and so forth. If any errors are found, correct the error, and submit the job again. If no errors are found, recreate the error with a GTF trace and contact the Dell EMC Customer Support Center for technical assistance.

## EMCU031E

**I/O ERROR RECEIVED FROM DISABLE DEVICE COMMAND**

**Cause**
An unexpected return code was received from the storage system while trying to disable a device in a pool.

**Action**
Examine the input, verify the PowerMax/VMAX channel address, the log device number(s), and so forth. If any errors are found, correct the error, and submit the job again. If no errors are found, recreate the error with a GTF trace and contact the Dell EMC Customer Support Center for technical assistance.

## EMCU032E

**I/O ERROR RECEIVED WHILE REMOVING A DEVICE FROM A POOL**

**Cause**
An unexpected return code was received from the storage system while trying to remove a device from a pool.
**EMCU033E**

**I/O ERROR RECEIVED FROM DRAIN COMMAND**

**Cause**
An unexpected return code was received from the storage system while trying to drain a log device.

**Action**
Examine the input, verify the PowerMax/VMAX channel address, the log device number(s), and so forth. If any errors are found, correct the error, and submit the job again. If no errors are found, recreate the error with a GTF trace and contact the Dell EMC Customer Support Center for technical assistance.

**EMCU034E**

**I/O ERROR RECEIVED FROM UNDRAIN COMMAND**

**Cause**
An unexpected return code was received from the storage system while trying to undrain a device.

**Action**
Examine the input, verify the PowerMax/VMAX channel address, the log device number(s), and so forth. If any errors are found, correct the error, and submit the job again. If no errors are found, recreate the error with a GTF trace and contact the Dell EMC Customer Support Center for technical assistance.

**EMCU035E**

**I/O ERROR RECEIVED FROM QUERY SAVEDEV COMMAND**

**Cause**
An unexpected return code was received from the storage system while trying to query all the log devices.

**Action**
Examine the input, verify the PowerMax/VMAX channel address, the log device number(s), and so forth. If any errors are found, correct the error and submit the job again. If no errors are found, recreate the error with a GTF trace and contact the Dell EMC Customer Support Center for technical assistance.
EMCU036E

Pool name pool-name does not adhere to standards

Cause
The pool name specified does not adhere to the allowed naming conventions.

Action
Fix the specified pool name, and resubmit the command.

EMCU037E

DEVICE TYPE DOES NOT MATCH POOL TYPE

Cause
An ADD POOL command is trying to place a device in a different device type log pool.

Action
Examine the input, correct the error, and submit the job again.

EMCU038E

DEVICE RANGE IS NOT VALID ON DRAIN/UNDRAIN COMMAND; SINGLE DEVICE ONLY

Cause
A CONFIGPOOL DRAIN or UNDRAIN command has specified a range of devices.

Action
Examine the input, correct the error, and submit the job again.

EMCU039E

UNABLE TO PIN THE UCB

Cause
The UCB for the storage system cannot be pinned; most likely because it is pinned by some other job.

Action
Wait for any job that may have the UCB of the storage system pinned, then submit the job again.

EMCU040E

ENABLED DEVICES CAN NOT BE MOVED
Cause
A CONFIGPOOL command is trying to move a device that is currently enabled.

Action
Examine the input, DISABLE the device, and submit the job again.

EMCU041E

DEVICE IS NOT IN THE NAMED POOL

Cause
A CONFIGPOOL command is trying to act on a device that is not in the named pool.

Action
Examine the input, correct the error, and submit the job again.

EMCU042E

Unit cuu# not defined to SCF

Cause
A command was issued specifying the indicated MVS device as gatekeeper. However, the indicated device was either unknown to SCF, excluded by an SCF initialization control statement, or invalid for use as a gatekeeper, so a connection to the target storage system is not possible. Return code 8 has been set.

Action
Reissue the command specifying a valid and appropriate gatekeeper.

EMCU043E

UNABLE TO OBTAIN SYMMETRIX EXTERNAL LOCK

Cause
The storage system will not honor the request for the External Lock; most likely because the lock is held by another job.

Action
Wait until any job that may be using the Symmetrix External Lock has finished and submit the job again.

EMCU044E

SCF NOT FOUND

Cause
No correctly named SCF was found running in this LPAR.
**Action**
See the *Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide* for information on overriding the default SCF name, correct the JCL, and submit the job again.

---

### EMCU045E

**VOLUME NOT KNOWN TO SCF**

**Cause**
A GPM(CONFIGPOOL) command used the VOLUME parameter, but that volume is not known to the SCF.

**Action**
Examine the input, correct the error, and submit the job again.

---

### EMCU046E

**DD NAME NOT FOUND IN JCL**

**Cause**
A CONFIGPOOL command used the DDNAME parameter, but that DD card was not found in the JCL.

**Action**
Examine the input, correct the error, and submit the job again.

---

### EMCU047E

**ERROR TRYING TO RELEASE SYMMETRIX EXTERNAL LOCK; NOTIFY EMC**

**Cause**
During cleanup, the CONFIGPOOL command processor was unable to release the external lock it obtained to make log pool changes.

**Action**
Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

---

### EMCU048E

**ERROR TRYING TO UNPIN UCB**

**Cause**
During cleanup the CONFIGPOOL command processor was unable to unpin the UCB it had pinned.

**Action**
None. The operating system end of job processing will unpin the UCB. If this message appears frequently, contact the Dell EMC Customer Support Center.
EMCU049E

ESFGPMS/MC ATTEMPTED RECOVERY FROM ABEND OR WAS CANCELED

Cause
During execution, the Generalized Pool Maintenance Utility either came to an abnormal end (abend) or was canceled.

Action
None. The recovery routines will have released the external lock and unpinned the UCB. If this message appears frequently, contact the Dell EMC Customer Support Center.

EMCU050E

RAGROUP VALUE FORMAT IS INVALID

Cause
The value provided in the RAGROUP parameter is not in the correct format.

Action
Examine the input, correct the error, and submit the job again.

EMCU051E

SECOND DEVICE IN RANGE MUST BE GREATER THAN THE FIRST

Cause
The second device in a range of devices in the DEV parameter is not in the correct order.

Action
Examine the input, correct the error, and submit the job again.

EMCU052E

CONTROLLER SERIAL NUMBER FOUND DOES NOT MATCH THE ONE PROVIDED

Cause
The value in the CONTROLLER parameter of a REMOTE command does not match the value returned by that storage system.

Action
Examine the input, correct the error, and submit the job again.
### EMCU053E

**INVALID DEVICE NUMBER**

**Cause**
At least one of the device numbers in the DEV parameter does not exist on the storage system.

**Action**
Examine the input, correct the error, and submit the job again.

**More Information**
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

### EMCU053W

**INVALID DEVICE NUMBER**

**Cause**
At least one of the device numbers in the DEV parameter does not exist on the storage system.

**Action**
Examine the input, correct the error, and submit the job again.

**More Information**
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

### EMCU054E

**TYPE IS A REQUIRED PARAMETER**

**Cause**
The required parameter, TYPE, is missing.

**Action**
Examine the input, correct the error, and submit the job again.

### EMCU055E

**TYPE must be SAVEDEV, THINDEV or DSEPOOL, found xxxxxxxx**

**Cause**
The pool utility received a command string that included the TYPE keyword parameter. However, the parameter value was not one of the supported values listed in the message. This value error results in rejection of the command with return code 12.
Action
Correct the command string and resubmit the command.

EMCU056E

RAGROUP IS REQUIRED FOR REMOTE COMMAND

Cause
The RAGROUP parameter is missing from a REMOTE command.

Action
Examine the input, correct the error, and submit the job again.

EMCU057E

Device device-number not in pool pool-name

Cause
A REMOVE POOL, ENABLE, or DISABLE command was issued. However, the indicated device was not in the pool specified in the command.

Action
If the device number was in error, correct it. If the device should be included in the specified pool, include it by means of an ADD POOL command. After correcting the problem, reissue the command.

EMCU058E

UNIT IS NOT KNOWN TO

Cause
The device specified in the UNIT parameter is not one that is known to SCF.

Action
Examine the input, correct the error, and submit the job again.

EMCU059E

UNABLE TO OBTAIN REMOTE DIRECTOR NUMBER FOR DRAIN OR UNDRAIN

Cause
Invalid return code from API call trying to obtain director information.

Action
Examine input for errors, verify that the RA group hop list is correct, and verify that the device exits on the remote storage system. Correct the error and submit the job again.
EMCU060I

CONTROLLER nnnn-nnnn HAS nnnn SAVEDEV DEVICE

Cause
A QUERY SAVEDEV command for all the devices on a storage system has been processed. This is a report header line.

Action
None.

EMCU061I

message-text

Cause
A device-oriented QUERY request was received, and this message contains the headers for the columns in the display. These are examples of the message:

<table>
<thead>
<tr>
<th>EMCU061I</th>
<th>Device#</th>
<th>Emul</th>
<th>Used</th>
<th>Free</th>
<th>Pool Name</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMCU061I</td>
<td>Device#</td>
<td>Emul A/I</td>
<td>Used</td>
<td>Free</td>
<td>Class</td>
<td>Speed</td>
</tr>
</tbody>
</table>

Action
None.

EMCU062I

NUMBER TYPE TRACKS TRACKS NAME TYPE

Cause
A QUERY SAVEDEV command for all the devices on a storage system has been processed. This is a report header line.

Action
None.

EMCU063I

message-text
Cause
A device-oriented QUERY request was received, and one or more of these messages constructs the body of the display. The following are some examples.

EMCU063I 00000128 3390 0 16680 DF_DDEV_POOL SATA 7200 RAID1

EMCU063I 0000020E 3390 10224 6456 USERTPool1 Thin FIBRE 15K RAID1

EMCU063I 00000789 FBA 0 14364 DF_DDEV_POOL FIBRE 15K RAID5

Message EMCU061I provides heading for these columns.

Values for the Prot column include:

<table>
<thead>
<tr>
<th>Prot value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RD0</td>
<td>RAID-0</td>
</tr>
<tr>
<td>RD1</td>
<td>RAID-1</td>
</tr>
<tr>
<td>RD5 3+1</td>
<td>RAID-5 3+1 (3 data members +1 parity member)</td>
</tr>
<tr>
<td>RD5 7+1</td>
<td>RAID-5 7+1 (7 data members +1 parity member)</td>
</tr>
<tr>
<td>RD6 6+2</td>
<td>RAID-6 6+2 (6 data members + 2 parity members)</td>
</tr>
<tr>
<td>RD6 14+2</td>
<td>RAID-6 14+2 (14 data members + 2 parity members)</td>
</tr>
</tbody>
</table>

Values for the Status column include:

<table>
<thead>
<tr>
<th>Status value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>blank</td>
<td>Device is not draining.</td>
</tr>
<tr>
<td>DRAINING</td>
<td>Device is draining.</td>
</tr>
<tr>
<td>WAITING</td>
<td>Device is waiting for free space in the pool to complete draining.</td>
</tr>
<tr>
<td>PROT-TRK</td>
<td>Device cannot be drained because it owns protected tracks.</td>
</tr>
</tbody>
</table>

Action
None.

EMCU064I
**Cause**
A device-oriented QUERY request was received, and this is a summary message that contains information summarizing all devices in the display. The following are some examples.

<table>
<thead>
<tr>
<th>Device</th>
<th>Used Tracks</th>
<th>Free Tracks</th>
<th>Used (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMCU064I</td>
<td>283680</td>
<td>5588448</td>
<td>4%</td>
</tr>
<tr>
<td>EMCU064I</td>
<td>0</td>
<td>3677184</td>
<td>0%</td>
</tr>
<tr>
<td>EMCU064I</td>
<td>0</td>
<td>250320</td>
<td>0%</td>
</tr>
<tr>
<td>EMCU064I</td>
<td>17160</td>
<td>233160</td>
<td>6%</td>
</tr>
</tbody>
</table>

**Action**
None.

**EMCU065E**

INSUFFICIENT SPACE IN OUTPUT BUFFER TO MOVE POOL NAMES LIST

**Cause**
A request to get the names of all the pools on a storage system has been processed, but there is not enough space in the caller's output storage area to hold the list.

**Action**
Increase the size of the output storage area, and submit the job again.

**EMCU066E**

UNABLE TO DRAIN SPECIFIED DEVICE DUE TO PROTECTED TRACKS

**Cause**
A request to DRAIN a device has failed because that device has protected tracks on it.

**Action**
Wait until the device no longer has protected tracks, and submit the job again.

**EMCU067E**

Insufficient space in output buffer for all records

**Cause**
A pool management query request was issued, but there is not enough space in the output buffer for all of the requested devices. Consequently, the command has failed, and return code 8 has been set.
Action
Decrease the size of the request, and re-issue the command. If the DEV parameter was specified on the initial command, decrease the size of the requested device range. If the DEV parameter was not specified on the initial command, add the DEV parameter specifying the range of PowerMax/VMAX device numbers for the requested devices. If the problem persists, notify the Dell EMC Customer Support center.

EMCU068E

NAMED POOL HAS NO DEVICES

Cause
An ENABLE, DISABLE, or REMOVE POOL command with the DEV(ALL) parameter has named a pool that has no devices in it.

Action
Examine the input, correct the error, and submit the job again.

EMCU069E

DEVICE HAS USED TRACKS AND CANNOT BE REMOVED FROM POOL

Cause
A REMOVE POOL command has included at least one device that has tracks in use and cannot be removed from the named pool.

Action
Query the pool to identify the devices that are still in use, remove them from the device parameter, and submit the job again.

EMCU070E

TARGET IS NOT AVAILABLE

Cause
The target for a remote command is not available because an invalid SRDF group has been specified or because a link is not functioning.

Action
Examine the input. Verify that the first hop in the SRDF group exists in the gateway device and that the link is active. If there is a second hop in the SRDF group, verify that it exists on the intermediate device and the link is active. Repeat for each hop in the SRDF group, correct the error, and submit the job again.

EMCU070I

[Data|Save|Pool|Thin] Device Summary on serial-number [for pool pool_name] API Ver: version
**Cause**
A device-oriented QUERY request was received, and the SUMMARY parameter was specified. This is the header message for the resulting summary display. It indicates the type of device queried, the storage system serial number, the API version, and the pool name if an explicit pool name was specified on the command. The following are some examples.

<table>
<thead>
<tr>
<th>Message</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMCU070I Thin Device Summary on 0001949-01172</td>
<td>API Ver: 7.60</td>
</tr>
<tr>
<td>EMCU070I Data Device Summary on 0001949-01172 for pool USERTPOOL1</td>
<td>API Ver: 7.60</td>
</tr>
<tr>
<td>EMCU070I Save Device Summary on 0001949-01172</td>
<td>API Ver: 7.60</td>
</tr>
</tbody>
</table>

**Action**
None.

---

**EMCU071E**

DEVICE TYPE IS INVALID FOR THIN PROVISIONING POOL

**Cause**
The user attempted to place a device that was not a thin data device in a thin pool.

**Action**
Examine the input, correct the error, and submit the job again.

---

**EMCU071I**

(Device|Track) Totals: CKD Bound: count Unbound: count FBA Bound: count Unbound: count

**Cause**
A device-oriented QUERY request was issued. This is a summary message containing device totals or track totals for all devices in the display. The following are some examples.

<table>
<thead>
<tr>
<th>Message</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMCU071I Device Totals: CKD Bound: 43 Unbound: 913 FBA Bound: 33 Unbound: 216</td>
<td></td>
</tr>
<tr>
<td>EMCU071I Track Totals: CKD Bound: 717885 Unbound: 109936575 FBA Bound: 7302855 Unbound: 5198640</td>
<td></td>
</tr>
</tbody>
</table>

**Action**
None.
EMCU072E

THIN DEVICE CAN ONLY BE USED IN A THIN PROVISIONING POOL

Cause
The user attempted to place a thin data device in a pool that was not a thin pool.

Action
Examine the input, correct the error, and submit the job again.

EMCU073E

GETMAIN FOR RESOURCE MANAGER PARAMETERS FAILED

Cause
The utility was unable to obtain storage needed for the Resource Manager control blocks.

Action
Increase the region size and submit the job again.

EMCU074E

RESOURCE MANAGER ADD OPERATION FAILED

Cause
The utility was unable to add a Resource Manager for this job to the operating system.

Action
Submit the job again. If this message persists, contact the Dell EMC Customer Support Center for technical assistance.

EMCU075E

CAN NOT DRAIN/UNDRAIN A DEVICE IN A DSEPOOL

Cause
The user tried to DRAIN or UNDRAIN a device that is currently in a DSEPOOL.

Action
Wait until the device has zero used tracks, then DISABLE it.

EMCU076E

DEVICE IS ASSIGNED TO A NONEXISTENT POOL
Cause
The user tried to DRAIN or UNDRAIN a device that is assigned to a pool that doesn't exist.

Action
Contact the Dell EMC Customer Support Center for technical assistance.

EMCU077E

INVALID EYECATCHER IN CONTROL BLOCK ESF$GPMB

Cause
The user has not built the control block correctly.

Action
Change the code that builds the control block and rerun the job.

EMCU078E

VERSION LEVEL IN CONTROL BLOCK ESF$GPMB IS NOT SUPPORTED.

Cause
The user has not build the control block correctly.

Action
Change the code that builds the control block and rerun the job.

EMCU079E

LENGTH PASSED IN CONTROL BLOCK ESF$GPMB IS INCORRECT.

Cause
The user has not build the control block correctly.

Action
Change the code that builds the control block and rerun the job.

EMCU080E

COMMAND FAILED FEATURE REGISTRATION SECURITY CHECK.

Cause
Either the feature was not enabled in the storage system's ELM file, or the user does not have the proper security level to issue the command.

Action
Enable the feature in the storage system’s ELM file, or if it was already enabled, contact someone with the necessary security level to run the job.
EMCU081E

Action not supported by microcode level nnnn

Cause
The user has issued a command that is not supported by the operating environment level of this storage system.

Action
Issue this command against a storage system with the appropriate operating environment level.

EMCU082E

DEVICE IS NOT THE SAME STORAGE CLASS AS THOSE ALREADY IN THE POOL.

Cause
The user tried to add a device to a pool that does not match the storage class of the devices already there.

Action
Correct the command and rerun the job.

EMCU083E

A DEFAULT POOL CAN NOT BE RENAMED.

Cause
The user issued the RENAME POOL command against one of the default pools.

Action
This action is not allowed; default pools cannot be renamed.

EMCU084E

A POOL CAN NOT BE RENAMED TO THE DEFAULT POOL NAME.

Cause
The user issued the RENAME POOL command attempting to rename a pool to one of the default pool names.

Action
This action is not allowed. Correct the command and rerun the job.
EMCU085E

CAN NOT RENAME A POOL THAT DOES NOT EXIST.

Cause
The user issued the RENAME POOL command for a pool that does not exist.

Action
Correct the command and rerun the job.

EMCU086E

Pool name pool-name already in use

Cause
A CREATE POOL command was entered specifying a pool name. However, the requested pool name already exists on the storage system. Consequently, the action has failed. Return code 8 has been set.

Action
Determine whether or not an incorrect pool name was specified in the command. If the pool name was specified incorrectly, reissue the command specifying the correct pool name. If the pool was specified correctly, use the existing pool.

EMCU087E

I/O ERROR RECEIVED WHILE RENAMING A POOL.

Cause
There was an I/O error while processing a RENAME POOL command.

Action
Recreate the error while taking a GTF trace and submit the formatted trace to the Dell EMC Customer Support Center for technical assistance.

EMCU088E

RENAME COMMAND FAILED.

Cause
An undocumented error code has been received while processing a RENAME POOL command.

Action
Recreate the error while taking a GTF trace and submit the formatted trace to the Dell EMC Customer Support Center for technical assistance.
**EMCU089E**

**Pool does not exist**

**Cause**
A pool management command was entered specifying a pool name. However, the requested pool does not exist on the storage system. Consequently, the action has failed. Return code 8 has been set. The user has tried to bind a device to or unbind a device from a pool that does not exist.

**Action**
Determine whether or not an incorrect pool name was specified in the command. If the pool name was specified incorrectly, reissue the command specifying the correct pool name. If the pool name was specified correctly, the pool must be created using the CREATE POOL command before that pool can be referenced by another pool management command.

**EMCU090E**

**CAN NOT BIND TO OR UNBIND FROM A POOL THAT IS NOT A THIN POOL.**

**Cause**
The user has tried to bind a device to or unbind a device from a pool that is not a thin pool.

**Action**
Correct the command and rerun the job.

**EMCU091E**

**DEVICE IS NOT A THIN DEVICE; IT CAN NOT BE BOUND TO A THIN POOL.**

**Cause**
The user has tried to bind a device that is not a thin device to a thin pool.

**Action**
Correct the command and rerun the job.

**EMCU092E**

**DEVICE CAN NOT BE USED AS A GATEKEEPER DEVICE; IT IS A THIN OR VIRTUAL DEVICE.**

**Cause**
The user has tried to use a thin or a virtual device as a gatekeeper.

**Action**
Correct the command and rerun the job.
EMCU093E

EMCAPI CALL TO VALIDATE THE DEVICE HAS FAILED.

**Cause**
An undocumented error code has been received while processing a command.

**Action**
Recreate the error while taking a GTF trace and submit the formatted trace to the Dell EMC Customer Support Center for technical assistance.

**More Information**
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU093W

EMCAPI CALL TO VALIDATE THE DEVICE HAS FAILED.

**Cause**
An undocumented error code has been received while processing a command.

**Action**
Recreate the error while taking a GTF trace and submit the formatted trace to the Dell EMC Customer Support Center for technical assistance.

**More Information**
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU094E

CANNOT BIND AN FBA THIN DEVICE TO A CKD THIN DATA POOL.

**Cause**
The user has tried to BIND an FBA thin device to a CKD thin pool.

**Action**
Correct the command and rerun the job.

EMCU095E

CANNOT BIND A CKD THIN DEVICE TO AN FBA THIN DATA POOL.

**Cause**
The user has tried to BIND a CKD thin device to an FBA thin pool.

**Action**
Correct the command and rerun the job.
EMCU096E

I/O ERROR RECEIVED WHILE TRYING TO BIND A THIN DEVICE TO A THIN DATA POOL.

Cause
There was an I/O error while processing a BIND command.

Action
Recreate the error while taking a GTF trace and submit the formatted trace to the Dell EMC Customer Support Center for technical assistance.

EMCU097E

BIND COMMAND FAILURE; NON ZERO RETURN CODE. TLRC=xxSCRC=xx

Cause
An error code has been received while processing a BIND command, where TLRC represents the transport layer return code and SCRC indicates the syscall return code. The following tables list the possible return code values.

Table 1 Transport layer return codes

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>83</td>
<td>Data called not found</td>
</tr>
<tr>
<td>84</td>
<td>Data exceeds buffer size</td>
</tr>
<tr>
<td>85</td>
<td>Data does not fit in the output buffer</td>
</tr>
<tr>
<td>8C</td>
<td>Remote syscall failed</td>
</tr>
<tr>
<td>90</td>
<td>Attempt to write data beyond buffer end (internal logic error)</td>
</tr>
<tr>
<td>91</td>
<td>Sent parameter flag byte error</td>
</tr>
<tr>
<td>92</td>
<td>DA error (for disconnected syscalls)</td>
</tr>
<tr>
<td>93</td>
<td>System Internal Error (data consistency problem encountered)</td>
</tr>
<tr>
<td>94</td>
<td>Extended remote request with invalid route</td>
</tr>
<tr>
<td>95</td>
<td>The syscall did not execute due to a resource limitation, please retry this I/O</td>
</tr>
<tr>
<td>96</td>
<td>Syscall requires the use of a socket</td>
</tr>
<tr>
<td>97</td>
<td>Syscall is not allowed on the specified director/port according to the IMPL</td>
</tr>
<tr>
<td>98</td>
<td>Error sending the syscall to a remote director (same storage system)</td>
</tr>
</tbody>
</table>
Table 1 Transport layer return codes (continued)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>99</td>
<td>Error executing the syscall on a remote director</td>
</tr>
<tr>
<td>9A</td>
<td>Requested syscall format does not support more than 32 directors</td>
</tr>
<tr>
<td>9B</td>
<td>Syscall is not supported for detected configuration; upgrade application</td>
</tr>
<tr>
<td>9C</td>
<td>Multihop syscall timed out somewhere along the line</td>
</tr>
<tr>
<td>9D</td>
<td>Multihop syscall was sent, but ran into an existing Multihop syscall</td>
</tr>
<tr>
<td>9E</td>
<td>Requested count is not enough for extended parameters</td>
</tr>
<tr>
<td>9F</td>
<td>Syscall result remained uninitialized</td>
</tr>
<tr>
<td>A0</td>
<td>Poll</td>
</tr>
<tr>
<td>A7</td>
<td>Syscall times out during execution</td>
</tr>
<tr>
<td>A8</td>
<td>Could not get Access ID/tag from parameters</td>
</tr>
<tr>
<td>A9</td>
<td>Syscall format is not supported</td>
</tr>
<tr>
<td>AA</td>
<td>Invalid syscall sub-command</td>
</tr>
<tr>
<td>AB</td>
<td>Invalid syscall sub-format</td>
</tr>
<tr>
<td>AC</td>
<td>Reserved parms are not zero</td>
</tr>
<tr>
<td>AD</td>
<td>Operation is not allowed on a meta member</td>
</tr>
<tr>
<td>AE</td>
<td>The Quick Config parameters indicate a status has changed</td>
</tr>
<tr>
<td>AF</td>
<td>User requested abort on polling syscall</td>
</tr>
</tbody>
</table>

Table 2 Syscall return codes

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>02</td>
<td>INTERNAL_ERROR</td>
</tr>
<tr>
<td>03</td>
<td>SANITY_CHECK_FAILED</td>
</tr>
<tr>
<td>04</td>
<td>TOO_MANY_RECORDS</td>
</tr>
<tr>
<td>05</td>
<td>UNABLE_TO_BIND_DEVICE</td>
</tr>
<tr>
<td>06</td>
<td>UNABLE_TO_SENDALLOC_REQUEST</td>
</tr>
<tr>
<td>07</td>
<td>UNABLE_TO_UNBIND_DEVICE</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>-----------------------------------------------</td>
</tr>
<tr>
<td>08</td>
<td>UNABLE_TO_SEND_FREE_REQUEST</td>
</tr>
<tr>
<td>09</td>
<td>CANT_ALLOC_WORK_SLOT</td>
</tr>
<tr>
<td>0A</td>
<td>INVALID_POLLING_REQUEST</td>
</tr>
<tr>
<td>0B</td>
<td>UNEXPECTED_POOL_OPERATION</td>
</tr>
<tr>
<td>0C</td>
<td>GST_QUEUE_FULL</td>
</tr>
<tr>
<td>0D</td>
<td>SCRATCH_SLOT_HEADER_INVALID</td>
</tr>
<tr>
<td>0E</td>
<td>FREEING_WORK_SLOT</td>
</tr>
<tr>
<td>0F</td>
<td>INVALID_POOL</td>
</tr>
<tr>
<td>10</td>
<td>INVALID_THIN_DEVICE</td>
</tr>
<tr>
<td>11</td>
<td>INVALID_DATA_POOL</td>
</tr>
<tr>
<td>12</td>
<td>TOO_LARGE_REQUEST</td>
</tr>
<tr>
<td>13</td>
<td>THIN_DV_ALREADY_BOUND</td>
</tr>
<tr>
<td>14</td>
<td>THIN_DV_NOTBOUND</td>
</tr>
<tr>
<td>15</td>
<td>NOAVAILABLE_DATA_DEV_IN_POOL</td>
</tr>
<tr>
<td>16</td>
<td>DEVICE_HAS_EXISTING_BG_TASK</td>
</tr>
<tr>
<td>17</td>
<td>DEALLOC_FRACTIONAL_GROUP</td>
</tr>
<tr>
<td>18</td>
<td>UNEXPECTED_PARAM</td>
</tr>
<tr>
<td>19</td>
<td>NOAVAILABLE_THIN_DEV</td>
</tr>
<tr>
<td>1A</td>
<td>INVALID_DATA_DEVICE</td>
</tr>
<tr>
<td>1B</td>
<td>DEVICE_HAS_PROTECTED_TRACKS</td>
</tr>
<tr>
<td>1C</td>
<td>DEVICE_HAS_NO_BG_TASK</td>
</tr>
<tr>
<td>1D</td>
<td>DEVICE_HAS_EXISTING_APP_SESSIONS</td>
</tr>
<tr>
<td>1E</td>
<td>TASK_QUEUE_IS_FULL</td>
</tr>
<tr>
<td>1F</td>
<td>TASK_INPUT_INVALID</td>
</tr>
<tr>
<td>20</td>
<td>TASK_INPUT_PTR_MISSING</td>
</tr>
<tr>
<td>21</td>
<td>TASK_FAILED_TO_SEND_OPCODE</td>
</tr>
<tr>
<td>22</td>
<td>TASK_UNKNOWN_OPCODE</td>
</tr>
<tr>
<td>23</td>
<td>DUPLICATE_TASK</td>
</tr>
<tr>
<td>24</td>
<td>NO_POOL_RESERVATION</td>
</tr>
<tr>
<td>25</td>
<td>NO_THIN_RESERVATION</td>
</tr>
</tbody>
</table>
Table 2 Syscall return codes (continued)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>26</td>
<td>MOVE_ABORTED</td>
</tr>
</tbody>
</table>

Action
Recreate the error while taking a GTF trace and submit the formatted trace to the Dell EMC Customer Support Center for technical assistance.

EMCU098E

I/O ERROR WHILE POLLING TO VERIFY BIND COMPLETION.

Cause
An I/O error occurred while processing a BIND command.

Action
Recreate the error while taking a GTF trace and submit the formatted trace to the Dell EMC Customer Support Center for technical assistance.

EMCU099E

I/O ERROR RECEIVED WHILE TRYING TO UNBIND A THIN DEVICE FROM A THIN DATA POOL.

Cause
An I/O error occurred while processing an UNBIND command.

Action
Recreate the error while taking a GTF trace and submit the formatted trace to the Dell EMC Customer Support Center for technical assistance.

EMCU100E

UNBIND COMMAND FAILURE; NON ZERO RETURN CODE.
TLRC=xx SCRC=xx

Cause
An error code has been received while processing an UNBIND command, where TLRC represents the transport layer return code and SCRC indicates the syscall return code. The tables documented with message EMCU097E list the possible return code values.

Action
Recreate the error while taking a GTF trace and submit the formatted trace to the Dell EMC Customer Support Center for technical assistance.
EMCU101E

I/O ERROR WHILE POLLING TO VERIFY UNBIND COMPLETION.

Cause
An I/O error occurred while processing an UNBIND command.

Action
Recreate the error while taking a GTF trace and submit the formatted trace to the Dell EMC Customer Support Center for technical assistance.

EMCU102E

I/O ERROR WHILE CHECKING STATUS OF UNBIND COMPLETION.

Cause
An I/O error occurred while processing an UNBIND command.

Action
Recreate the error while taking a GTF trace and submit the formatted trace to the Dell EMC Customer Support Center for technical assistance.

EMCU103E

UNBIND invalid for device device#, device not bound.

Cause
An UNBIND action was requested for a device range including the indicated device. However, the device indicated is not bound to a pool. Consequently, the command has failed. Return code 8 has been set.

Action
If a device was erroneously included, remove it from the device range and reissue the command.

EMCU104E

CAN NOT UNBIND A DEVICE FROM A POOL IT IS NOT BOUND TO.

Cause
The user issued an UNBIND command for a device, specifying a pool other than the pool the device is actually bound to.

Action
Correct the command and rerun the job.
EMCU105E

BIND invalid for device device#, device already bound.

Cause
A BIND action was requested for a device range including the indicated device. However, the device indicated is already bound to a pool. Consequently, the command has failed. Return code 8 has been set.

Action
If a device was erroneously included, remove it from the device range and reissue the command.

EMCU106E

THE MAXIMUM RANGE FOR BIND OR UNBIND IS 4096 CONTIGUOUS DEVICES.

Cause
The user has issued a BIND or an UNBIND command, specifying a range of devices that exceeds the maximum number allowed.

Action
Correct the command and rerun the job.

EMCU107E

THE SECOND DEVICE IN BIND OR UNBIND RANGE MUST BE A LARGER NUMBER THAN THE FIRST.

Cause
The user has issued a BIND or an UNBIND command, specifying a range in which the device number of the second device is not greater than the device number of the first device.

Action
Correct the command and rerun the job.

EMCU108I

Device# CUU Emul Volser Bound To Rdy S/E Cyls Typ Com Task Status

Cause
A pool management QUERY THINDEV command was issued. This is the message containing the column headers for the thin device display. The body of the display follows.

Action
None.
EMCU110I

symm-device# cuu emulation volume-serial pool-name ready-state space-efficient cylinder-count device-type compression-state task-type task-status

Cause
A pool management QUERY THINDEV command was issued, and one or more of these messages constructs the body of the display. The following are some examples.

EMCU110I 0000003F 2117 3390 ***** *Unbound N N 1113 N
EMCU110I 000007B8 **** FBA ***** BCVTHINPOOL1 Y N 958 BC N Bind Done
EMCU110I 00000BB0 21F8 3390 ***** *Unbound N N 262668 N Unbind Done

TYP column values include:

<table>
<thead>
<tr>
<th>Typ values</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>XR</td>
<td>XRC device</td>
</tr>
<tr>
<td>R1</td>
<td>R1 device</td>
</tr>
<tr>
<td>R2</td>
<td>R2 device</td>
</tr>
<tr>
<td>BC</td>
<td>BCV device</td>
</tr>
<tr>
<td>B1</td>
<td>BCV R1 device</td>
</tr>
<tr>
<td>B2</td>
<td>BCV R2 device</td>
</tr>
<tr>
<td>BS</td>
<td>BCV and local replication source device</td>
</tr>
<tr>
<td>BT</td>
<td>BCV and local replication target device</td>
</tr>
<tr>
<td>PR</td>
<td>PPRC device</td>
</tr>
<tr>
<td>P1</td>
<td>PPRC R1 device</td>
</tr>
<tr>
<td>P2</td>
<td>PPRC R2 device</td>
</tr>
<tr>
<td>R11</td>
<td>SRDF R11 device</td>
</tr>
<tr>
<td>R21</td>
<td>SRDF R21 device</td>
</tr>
<tr>
<td>R22</td>
<td>SRDF R22 device</td>
</tr>
<tr>
<td>SS</td>
<td>Snap source</td>
</tr>
<tr>
<td>S1</td>
<td>Snap source R1</td>
</tr>
<tr>
<td>S11</td>
<td>Snap source R11</td>
</tr>
<tr>
<td>S2</td>
<td>Snap source R2</td>
</tr>
<tr>
<td>S22</td>
<td>Snap source R22</td>
</tr>
<tr>
<td>T1</td>
<td>Snap target R1</td>
</tr>
<tr>
<td>Value</td>
<td>Description</td>
</tr>
<tr>
<td>-------</td>
<td>-------------</td>
</tr>
<tr>
<td>T11</td>
<td>Snap target R11</td>
</tr>
<tr>
<td>T2</td>
<td>Snap target R2</td>
</tr>
<tr>
<td>T22</td>
<td>Snap target R22</td>
</tr>
<tr>
<td>ST</td>
<td>Snap target</td>
</tr>
<tr>
<td>VD</td>
<td>Virtual device</td>
</tr>
</tbody>
</table>

`compressions_state` shows the thin device-oriented task status. Possible values include:

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>Thin device has compressed allocations.</td>
</tr>
<tr>
<td>N</td>
<td>Thin device has no compressed allocations.</td>
</tr>
</tbody>
</table>

`task_type` shows the last thin device-oriented task that was executed for the thin device or the most current phase of that task if applicable. Possible values include:

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bind</td>
<td>BIND</td>
</tr>
<tr>
<td>Bind Map</td>
<td>BIND mapping pool</td>
</tr>
<tr>
<td>Bind Fmt</td>
<td>BIND formatting cylinders</td>
</tr>
<tr>
<td>Bind Hdr</td>
<td>BIND initializing header</td>
</tr>
<tr>
<td>Bind Alloc</td>
<td>BIND allocating space in pool</td>
</tr>
<tr>
<td>Unbind</td>
<td>UNBIND</td>
</tr>
<tr>
<td>Unbd Dealc</td>
<td>UNBIND deallocating space in pool</td>
</tr>
<tr>
<td>Unbd Unmap</td>
<td>UNBIND unmapping pool</td>
</tr>
<tr>
<td>Allocate</td>
<td>ALLOCATE</td>
</tr>
<tr>
<td>Move</td>
<td>MOVE</td>
</tr>
<tr>
<td>Move Waits</td>
<td>MOVE is waiting for free space to continue</td>
</tr>
<tr>
<td>Compress</td>
<td>COMPRESS</td>
</tr>
<tr>
<td>Decompress</td>
<td>DECOMPRESS</td>
</tr>
<tr>
<td>Reclaim</td>
<td>Zero Reclaim</td>
</tr>
<tr>
<td>PersistOff</td>
<td>PERSIST OFF</td>
</tr>
<tr>
<td>Unknown</td>
<td>unknown application</td>
</tr>
<tr>
<td>Start Err</td>
<td>task failed to start</td>
</tr>
<tr>
<td>Undef Err</td>
<td>undefined error</td>
</tr>
</tbody>
</table>

`task_status` shows the status of the last thin device-oriented task executed for the thin device. Possible values include:

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active</td>
<td>Task is active</td>
</tr>
<tr>
<td>Halted</td>
<td>Task is halted</td>
</tr>
</tbody>
</table>
### EMCU113E

**command invalid for device indicated, device not bound**

**Cause**
An action was requested for a device range including the indicated device. However, the device indicated is not bound to a pool. Consequently, the command has failed. Return code 8 has been set.

*command* can be one of the following: ALLOCATE, MOVE, COMPRESS, DECOMPRESS, PERSIST, HALTTASK, REBIND, or the generic "Request".

**Action**
If a device was erroneously included, remove it from the device range and reissue the command.

### EMCU118E

**UNBIND invalid for device xxxxxxxx, device mapped and in ready state.**

**Cause**
An UNBIND command was issued. A device that may be in use cannot be the object of an UNBIND action. Thus, no device in the range may be both ready and mapped to a front end device. However, the indicated device fulfills both of these conditions. Consequently, the command has failed. Return code 12 has been set.

**Action**
If a device was erroneously included, remove it from the device range. Otherwise, set the device user not ready and reissue the command.

### EMCU120E

**One or more devices is an FBA Meta member.**

**Cause**
A device-oriented pool utility action such as BIND or UNBIND was requested, but one or more FBA Meta members were found within the specified device range. This is not permitted, so the command has been aborted.

**Action**
Remove FBA Meta members from the device range, if necessary building multiple commands whose specified device ranges together comprise all devices within the original range that are not FBA Meta members. Then issue the new set of commands.
EMCU122E

UNBIND not allowed for SNAP {source|target} device device#

Cause
During processing of a request for an UNBIND action, the device indicated in the message was found to be a participant in a current SNAP operation. Such a device may not be unbound from a pool. This error has resulted in failure of the command with return code 8.

Action
Wait until the SNAP operation has completed and reissue the command.

EMCU124E

UNBIND failed with error code xx for device device#

Cause
During processing of an UNBIND command, the error code indicated in the message was returned for the indicated device. This error has resulted in failure of the command with return code 8.

Action
Contact the Dell EMC Customer Support Center for technical assistance.

EMCU126E

Unrecognized exec parm

Cause
A GPM command was issued, but the contents of the PARM field on the ESFGPMBT EXEC statement could not be recognized. Consequently, the command has failed, and return code 8 has been set.

Action
Correct the PARM field on the ESFGPMBT EXEC statement, or remove the PARM field, and reissue the command. See the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide for information on ESFGPMBT EXEC PARM values.

EMCU129E

MAXOSUB parameter is invalid - pool pool-name is not thin

Cause
A pool management action command was issued specifying a maximum oversubscription ratio via the MAXOSUB keyword parameter, and an explicit pool name was specified via the POOL keyword parameter. However, the specified pool is not a thin pool. Consequently, the command has failed. Return code 8 has been set.
Determine whether an incorrect pool name was specified on the command, or if the pool type was specified incorrectly on the CREATE POOL command. If the pool name was specified incorrectly, reissue the command specifying the correct pool name. If the pool was created incorrectly, it may be appropriate to delete and recreate the pool before reissuing the command.

EMCU130E

Thin [FBA|CKD] device not supported at microcode level level

Cause
A BIND command was issued. A device having the indicated emulation was in the device range of the command, but the operating environment level of the storage system containing the thin pool to which the device is to be bound does not support such devices. Consequently, the command has failed. Return code 8 has been set.

Action
If a device was erroneously included, remove it from the device range. Otherwise, determine whether reconfiguration of virtual provisioning in your environment is required.

EMCU131E

Invalid request, device-number not a {DATA|SAVE} device

Cause
A CONFIGPOOL command was issued with an ADD POOL, REMOVE POOL, ENABLE, or DISABLE action. The indicated device was within the device range specified in the command, but was not eligible. If TYPE(THINPOOL) was specified, only DATA devices are eligible; otherwise, only SAVE devices are eligible. Return code 12 has been set.

Action
If a device was erroneously included, remove it from the device range. If a device was not configured correctly on the storage system, perform a reconfiguration. After correcting the problem, reissue the command.

EMCU134E

Action would cause maximum pool oversubscription ratio to be exceeded

Cause
A BIND, DISABLE, or DRAIN command was issued to a thin device pool. The successful completion of this action would cause the maximum oversubscription ratio for the pool to be exceeded. Consequently, the action has failed. Return code 8 has been set.

Action
Action would cause maximum pool oversubscription ratio to be exceeded
A BIND, DISABLE, or DRAIN command was issued to a thin device pool. The successful completion of this action would cause the maximum oversubscription ratio
for the pool to be exceeded. Consequently, the action has failed. Return code 8 has been set.

If necessary and appropriate, either add data devices to the pool, unbind thin devices from the pool, or modify the maximum oversubscription ratio for the pool. After correcting the problem, reissue the command.

**EMCU139E**

No available data devices in pool LVCKD_POOL

**Cause**
A BIND command was issued, but there are no available data devices in the specified pool to back the specified thin devices. Consequently, the command has failed. Return code 8 has been set.

**Action**
If the pool name or device numbers are incorrect, correct the problem, and resubmit the command. If the pool name and device numbers are correct, ensure that there are active data devices in the pool that have enough space to back the specified thin devices. If data devices are inactive, activate some using the ENABLE command. If all data devices in the pool are active, you may need to add more data devices to the pool using the ADD POOL command in order to back the specified thin devices.

**EMCU157E**

DELETE denied, pool poolname not empty

**Cause**
A DELETE POOL action was requested for a pool that still contains devices. Consequently, the command failed. Return code 8 has been set.

**Action**
If the wrong pool was specified, correct it and reissue the command. If the correct pool was specified, you must remove all devices contained in the pool before the pool can be successfully deleted.

**EMCU161E**

Maximum of two conditional processing levels

**Cause**
An IF statement was encountered in a pool management batch input stream. The maximum number of conditional processing levels are already in effect, and the IF statement would require an additional level. Consequently, the statement cannot be processed. Return code 8 has been set.

**Action**
Do not attempt to set an additional conditional processing level in the input stream.
EMCU162E

Malformed IF statement

Cause
An IF statement was encountered in a pool management batch input stream, but the format is incorrect. Consequently, the statement cannot be processed. Return code 8 has been set.

Action
Check the IF statement format and make any necessary corrections. Also, adjust the job stream according to the results from any commands that may have been processed prior to encountering the invalid IF statement, and resubmit the job.

EMCU163E

ELSE must be within IF/ENDIF structure, not in ELSE section

Cause
An ELSE statement was encountered in a pool management batch input stream. However, there is no current IF section to which the ELSE statement could apply, or the ELSE statement may be within an ELSE section of an IF/ENDIF structure. Consequently, the statement cannot be processed. Return code 8 has been set.

Action
Examine the input stream to determine whether the ELSE statement should be removed or repositioned, or whether an IF statement has been omitted, and take the appropriate action. Also, adjust the job stream according to the results from any commands that may have been processed prior to encountering the invalid IF statement, and resubmit the job.

EMCU164E

ENDIF must be within IF/ENDIF structure

Cause
An ENDIF statement was encountered in a pool management batch input stream. However, there is no current IF section to which the ELSE statement could apply. Consequently, the statement cannot be processed. Return code 8 has been set.

Action
Either remove the ENDIF statement, add the missing IF statement, or correct an incorrectly specified IF statement.

EMCU165E

RESET requires LASTCC or MAXCC keyword
**EMCU166I**

**Conditional skip**

**Cause**
A command was skipped because it is within a range of statements being skipped due to conditional processing controlling the statement range. No return code is set.

**Action**
None required unless skipping the command was not intended. If that is the case, determine whether a conditional processing statement was supplied incorrectly or whether a previous command returned a return code that unexpectedly caused the command to be skipped.

**EMCU167E**

**Malformed ELSE statement**

**Cause**
An ELSE statement was encountered in a pool management batch input stream. However, the statement contained an unrecognized keyword. Consequently, the statement cannot be processed. Return code 8 has been set.

**Action**
Correct the erroneous ELSE statement. Also, adjust the job stream according to the results from any commands that may have been processed prior to encountering the invalid IF statement, and resubmit the job.

**EMCU168I**

**Conditional statement specified EXIT, flushing input stream**

**Cause**
A conditional processing IF or ELSE statement specifying EXIT was satisfied. Consequently, the remaining commands in the input stream will not be processed. The job step terminates with condition code equal to the highest return code returned by any command executed within the job step.

**Action**
Analyze the output to determine whether processing was as expected.
EMCU184I

**message-text**

**Cause**
A pool management device-oriented QUERY request was received, and this message identifies the contents of the display, including what is being displayed, for example, data devices, save devices, thin devices, and so forth, and the serial number of the storage system for which the display was issued. The following are some examples:

- EMCU184I Data Devices on symm-serial#
- EMCU184I Save Devices on symm-serial#
- EMCU184I Thin Devices on symm-serial#

**Action**
None.

EMCU199E

**UNKNOWN RETURN CODE RECEIVED; NOTIFY EMC.**

**Cause**
An unknown return code has been received by the utility.

**Action**
Collect all input and output. If possible, recreate the error with a GTF trace and contact the Dell EMC Customer Support Center for technical assistance.

EMCU200I

**Symmetrix Storage Groups on Controller <serial#>  API Ver: <version#>**

**Cause**
A QUERY SYMSG command was issued. This is the report header identifying the contents of the display, storage system serial number, and API version.

**Action**
None.

EMCU201I

**SG : <sg_name>**
Cause
A QUERY SYMSG command was issued. This message appears once for each SG in the display and indicates the name of the storage group.

Action
None.

EMCU202I

ID : <sg_id>  Device Count: <device_count>

or

ID : <sg_id>  Child SG Count: <child_sg_count>

Cause
A QUERY SYMSG command was issued. This message appears once for each SG in the display. It indicates the storage group ID and number of devices in the SG. For a parent SG in a cascaded SG environment, the message indicates the count of child groups in the parent SG.

Action
None.

EMCU203I

SRP : <srp_name>  FAST: {Y|N}  Emulation: {FBA|CKD|n/a}

Cause
A QUERY SYMSG command was issued. This message appears once for each SG in the display. It indicates the name of the storage resource pool associated with the SG, whether the SG is FAST-managed, and the emulation type. An SG is FAST-managed if it is explicitly associated with an SRP and/or SLO.

Emulation type has the following values:
- CKD - The group contains CKD devices.
- FBA - The group contains FBA devices.
- n/a - No devices are currently associated with the group.

Action
None.

EMCU204I

SLO : <slo_name>  Workload: <workload>

Cause
A QUERY SYMSG command was issued. This message appears once for each SG in the display. It indicates the names of the service level objective and workload associated with the SG.
EMCU205I

Devs: <device_list>

Cause
A QUERY SYMSG command was issued. This message appears once for each SG in the display. It lists the devices or ranges in the SG.

Action
None.

EMCU206I

Cause
A QUERY SRP command was issued. This is the report header identifying the contents of the display, storage system serial number, and API version.

Action
None.

EMCU207I

SRP : <srp_name>

Cause
A QUERY SRP command was issued. This message appears once for each SRP in the display and indicates the name of the storage resource pool.

Action
None.

EMCU208I

ID : <srp_id>  CKD Default: {Y|N}  FBA Default: {Y|N}  Resv Cap (%): <resv_cap>  DSE: {Y|N}  DSE Max Cap (GB): <dse_max_cap>

Cause
A QUERY SRP command was issued. This message appears once for each SRP in the display. It indicates the storage resource pool ID, whether the SRP is the CKD default, whether the SRP is the FBA default, the reserved capacity, whether SRDF/A DSE is enabled for the SRP, and the maximum DSE capacity.

Action
None.
EMCU209I

Desc: <srp_description>

Cause
A QUERY SRP command was issued. This message appears once for each SRP in the display and indicates the storage resource pool description.

Action
None.

EMCU210I

Service Level Objectives on Controller <serial#> API Ver: <version#>

Cause
A QUERY SLO command was issued. This is the report header identifying the contents of the display, storage system serial number, and API version.

Action
None.

EMCU211I

SLO : <slo_name> Workload: <workload_name>

Cause
A QUERY SLO command was issued. This message appears once for each SLO/workload combination in the display. It indicates the names of the service level objective and workload.

Action
None.

EMCU212I

ID : <slo_id> Approximate Average Response Time (usec): <approx_avg_resp_time>

Cause
A QUERY SLO command was issued. This message appears once for each SLO/workload combination in the display. It indicates the service level objective ID and approximate average response time (in microseconds).

Action
None.
EMCU213I

Desc: <slo_description>

Cause
A QUERY SLO command was issued. This message appears once for each SLO/workload combination in the display and indicates the description of the SLO/workload combination.

Action
None.

EMCU214I

Disk Groups on Controller <serial#> API Ver: <version#>

Cause
A QUERY DISKGRP command was issued. This is the report header identifying the contents of the display, storage system serial number, and API version.

Action
None.

EMCU215I

Name: <disk_grp_name> SRP : <srp_name>

Cause
A QUERY DISKGRP command was issued. This message appears once for each disk group in the display. It indicates the disk group name and the name of the storage resource pool where that disk group resides.

Action
None.

EMCU216I

ID : <disk_grp_id> Class: <tech> Speed: <speed> Prot: <prot_type> Unformatted Capacity (GB): <unformatted_capacity>

Cause
A QUERY DISKGRP command was issued. This message appears once for each disk group in the display. It indicates the disk group ID, technology type, drive speed, protection type, and unformatted capacity (in GBs) of the disk group.

Action
None.
EMCU217I

Emul Capacity (trk) Free (trk) Alloc (trk) Snap (trk) DSE (trk) Alloc (%) [Sub (trk) Sub (%)]

Causes
A QUERY DISKGRP or QUERY SRP command was issued. This message appears once for each disk group or storage resource pool in the display. It contains the column headers describing the subsequent lines. The ‘Sub (trk)’ and ‘Sub (%)’ columns appear on the QUERY SRP report only, as subscription is not applicable on the disk group level.

Actions
None.

EMCU218I

---- --------------- -------- -------- -------- ---- [-------- ----]

Causes
A QUERY DISKGRP command was issued. This message appears once for each disk group or storage resource pool in the display. It separates the column headers from the subsequent report lines.

Actions
None.

EMCU219I

<emul> <capacity> <free_trks> <alloc_trks> <snap_trks> <dse_trks> <%_alloc> [<sub_trks> <%_sub>]

Causes
A QUERY DISKGRP or QUERY SRP command was issued. For each disk group or storage resource pool in the display, this message appears once for each emulation type (i.e., CKD and FBA). For each emulation, it indicates the emulation type, total capacity in tracks, total free tracks, total allocated tracks, tracks allocated by Snap, tracks allocated by DSE, and the percentage allocated. For SRPs only, it also indicates the total subscribed tracks and percentage subscribed.

Actions
None.

EMCU220I

-------------------------------------------------------------------

Causes
A QUERY command was issued. This is a separator line.
EMCU221I

Action
None.

```plaintext
EMCU221I

Stats: Avg Resp (usec): <resp_time>     Reads : <num_of_reads>

Cause
A QUERY SYMSG command was issued with the STATS parameter. This optional parameter causes performance statistics for each SG to be calculated and included in the display. Performance data is collected over a sample period. This message appears once for each SG in the display. For each SG, it indicates the average response time and total number of read I/Os during the sample period. The average response time is a weighted average of the I/O time for all devices in the SG. The I/O time starts when the storage system receives the I/O and ends when the I/O completes and the status is sent back to the host. Only devices in the SG that receive I/O during the sample period will be involved in the calculation.

Action
None.
```

EMCU222I

```plaintext
EMCU222I

SLO Met: {Y|N}                   Writes: <num_of_writes>

Cause
A QUERY SYMSG command was issued with the STATS parameter. This optional parameter causes performance statistics for each SG to be calculated and included in the display. Performance data is collected over a sample period. This message appears once for each SG in the display. For each SG, it indicates the total number of write I/Os during the sample period and whether or not it is meeting its SLO, if applicable.

Action
None.
```

EMCU223E

```plaintext
EMCU223E

RENAME SYMSG failed - Ensure old name (SYMSG) exists

Cause
An attempt was made to rename a Storage Group where the existing/old name does not exist. The command has failed.

Action
Verify that the name exists and is spelled correctly, then retry.
```
EMCU224I

Note: This Service Level Objective is not available on this controller.

Cause
This message is displayed when a SLO indicated in prior messages is not available on the storage system.

Action
None.

EMCU225I

RDP Cache Utilization: nnn%

Cause
This message shows the current utilization of RDP cache pages. It is displayed as a result of issuing a QUERY POOLS or QUERY SRP command.

Action
None.

EMCU300E

Device oriented commands are not allowed against parent SGs

Cause
The REMOVE SYMSG or ADD SYMSG command with the DEV, SMSSG or VOLUMES parameter was issued against a parent Symmetrix Storage Group (SG) in the cascaded SG environment. Parent groups do not contain devices, so device operations are not applicable.

Action
None.

EMCU500I

xxxxxxxxxxxxxxx

Cause
A command or comment statement was entered via either a SYSIN file or the console. This message echoes the entered command or statement.

Action
None.
EMCU505E

Unexpected error generating status device list, rc xx

Cause
An error was encountered while formatting the device list for a device status message. BIND command was issued to a thin device pool. The indicated device was within the device range specified in the command, but binding the device to the pool would cause the oversubscription ratio for the pool to be exceeded. Consequently, the action has failed. Return code 8 has been set.

Action
If necessary and appropriate, either add data devices to the pool, unbind front-end devices from the pool, or modify the maximum oversubscription ratio for the pool. After correcting the problem, reissue the command.

EMCU510E

Devices active

Cause
A pool management REMOVE POOL action was requested to remove devices from a pool. The indicated devices were active, however, and could not be removed from the pool. The return code set is 4 if SKIP was specified and 8 if it was not.

Action
If the listed devices have allocated tracks, request a pool management DRAIN action; otherwise, request a DISABLE action. At completion, the devices are set inactive and the REMOVE POOL action may be requested again.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU510W

Devices active

Cause
A pool management REMOVE POOL action was requested to remove devices from a pool. The indicated devices were active, however, and could not be removed from the pool. The return code set is 4 if SKIP was specified and 8 if it was not.

Action
If the listed devices have allocated tracks, request a pool management DRAIN action; otherwise, request a DISABLE action. At completion, the devices are set inactive and the REMOVE POOL action may be requested again.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.
EMCU511E

Devices active

**Cause**
A pool management ADD POOL action was requested to move pool devices from their current pool to the pool specified in the command. However, the devices listed have status ACTIVE and are consequently ineligible to be moved. The return code set is 4 if SKIP was specified and 8 if it was not.

**Action**
If the listed devices have allocated tracks, request a pool management DRAIN action; otherwise, request a DISABLE action. At completion, the devices are set inactive and the ADD POOL action may be requested again.

**More Information**
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU511W

Devices active

**Cause**
A pool management ADD POOL action was requested to move pool devices from their current pool to the pool specified in the command. However, the devices listed have status ACTIVE and are consequently ineligible to be moved. The return code set is 4 if SKIP was specified and 8 if it was not.

**Action**
If the listed devices have allocated tracks, request a pool management DRAIN action; otherwise, request a DISABLE action. At completion, the devices are set inactive and the ADD POOL action may be requested again.

**More Information**
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU512E

Devices not in specified pool

**Cause**
A pool management device command included the POOL keyword to insure that the devices selected for processing belong to the intended pool. However, the devices listed are not in the pool specified. If SKIP is not specified, the command terminates after validation and return code 8 is set; if SKIP is specified, the command processes eligible devices and return code 4 is set.

**Action**
Determine whether the listed devices should be processed by a subsequent command.
EMCU512W

**Devices not in specified pool**

**Cause**
A pool management device command included the POOL keyword to insure that the devices selected for processing belong to the intended pool. However, the devices listed are not in the pool specified. If SKIP is not specified, the command terminates after validation and return code 8 is set; if SKIP is specified, the command processes eligible devices and return code 4 is set.

**Action**
Determine whether the listed devices should be processed by a subsequent command.

**More Information**
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU513E

**Devices have allocated tracks**

**Cause**
A pool management device action, either ADD POOL or REMOVE POOL, was requested that would result in the removal of data or save devices from a pool. However, the devices listed have allocated tracks and cannot be removed from the pool to which they currently belong.

**Action**
Request a pool management DRAIN action for the listed devices and check the status of the devices periodically. When the devices have attained inactive status, they will no longer have allocated tracks and the original command may be reissued.

**More Information**
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU513W

**Devices have allocated tracks**

**Cause**
A pool management device action, either ADD POOL or REMOVE POOL, was requested that would result in the removal of data or save devices from a pool. However, the devices listed have allocated tracks and cannot be removed from the pool to which they currently belong.
Action
Request a pool management DRAIN action for the listed devices and check the status of the devices periodically. When the devices have attained inactive status, they will no longer have allocated tracks and the original command may be reissued.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU514E

Data devices found but pool is not a thin pool

Cause
A pool management ADD POOL action was requested. The device(s) listed were in the device range specified in the command and are thin devices. However, the pool is not a thin pool and consequently only save devices are eligible to be added to the pool.

Action
This may not indicate an error, since a device range including both data and save devices may have been specified. However, ensure that the correct pool name was specified and that the device range was as intended. Additionally, if the device range is known to contain both data and save devices, ensure that SKIP was specified.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU514W

Data devices found but pool is not a thin pool

Cause
A pool management ADD POOL action was requested. The device(s) listed were in the device range specified in the command and are thin devices. However, the pool is not a thin pool and consequently only save devices are eligible to be added to the pool.

Action
This may not indicate an error, since a device range including both data and save devices may have been specified. However, ensure that the correct pool name was specified and that the device range was as intended. Additionally, if the device range is known to contain both data and save devices, ensure that SKIP was specified.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU515E

Devices not thin, cannot be bound
**EMCU515W**

**Cause**
A pool management BIND action was requested. The devices listed were in the device range specified in the command but are not thin devices and consequently are not eligible to be bound to a thin pool.

**Action**
None.

**More Information**
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

**EMCU516E**

**Cause**
A pool management UNBIND action was requested. The devices listed were in the device range specified in the command but are not thin devices and consequently are not eligible to be unbound from a thin pool.

**Action**
None.

**More Information**
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

**EMCU516W**

**Cause**
A pool management UNBIND action was requested. The devices listed were in the device range specified in the command but are not thin devices and consequently are not eligible to be unbound from a thin pool.

**Action**
None.

**More Information**
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.
Action
None.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU517E

Devices are FBA, pool is CKD

Cause
A pool management action was requested, but the device type of the requested devices (FBA) does not match the device type of the existing devices in the pool (CKD).

Action
None.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU517W

Devices are FBA, pool is CKD

Cause
A pool management action was requested, but the device type of the requested devices (FBA) does not match the device type of the existing devices in the pool (CKD).

Action
None.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU518E

Devices are CKD, pool is FBA

Cause
A pool management action was requested, but the device type of the requested devices (CKD) does not match the device type of the existing devices in the pool (FBA).

Action
None.
More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU518W

Devices are CKD, pool is FBA

Cause
A pool management action was requested, but the device type of the requested devices (CKD) does not match the device type of the existing devices in the pool (FBA).

Action
None.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU519E

Devices not bound

Cause
A pool management UNBIND action was requested. The devices listed are not currently bound to a pool and consequently are not eligible to be unbound.

Action
None.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU519W

Devices not bound

Cause
A pool management UNBIND action was requested. The devices listed are not currently bound to a pool and consequently are not eligible to be unbound.

Action
None.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.
EMCU51AE

Devices already bound

Cause
A pool management BIND action was requested. However, the device(s) listed are already bound to a pool to the pool specified in the command, and consequently are not eligible to be bound.

Action
None.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU51AW

Devices already bound

Cause
A pool management BIND action was requested. However, the device(s) listed are already bound to a pool to the pool specified in the command, and consequently are not eligible to be bound.

Action
None.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU51BE

Devices mapped and in ready state

Cause
A pool management UNBIND action was requested. The device(s) listed are bound to the pool specified in the command, but are mapped to a device address and are in the ready state. Such devices cannot be unbound.

Action
Issue the USR_NRDY action for those listed devices that must be unbound. Once the devices are in the not-ready state, the UNBIND request may be reissued.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.
**EMCU51BW**

**Devices mapped and in ready state**

**Cause**  
A pool management UNBIND action was requested. The device(s) listed are bound to the pool specified in the command, but are mapped to a device address and are in the ready state. Such devices cannot be unbound.

**Action**  
Issue the USR_NRDY action for those listed devices that must be unbound. Once the devices are in the not-ready state, the UNBIND request may be reissued.

**More Information**  
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

**EMCU51CE**

**Devices are SRDF devices**

**Cause**  
A pool management UNBIND action was requested. The devices listed are currently in an SRDF relationship with one or more remove devices. Such devices cannot be unbound.

**Action**  
If necessary, issue an RDF_SUSP Host Component command to the R1 member of each pair that includes a listed device. When SRDF replication activity has been terminated, issue a DELETEPAIR Host Component command to either member of each pair that includes a listed device. When the SRDF relationships have been removed, the UNBIND request may be reissued.

**More Information**  
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

**EMCU51CW**

**Devices are SRDF devices**

**Cause**  
A pool management UNBIND action was requested. The devices listed are currently in an SRDF relationship with one or more remove devices. Such devices cannot be unbound.

**Action**  
If necessary, issue an RDF_SUSP Host Component command to the R1 member of each pair that includes a listed device. When SRDF replication activity has been terminated, issue a DELETEPAIR Host Component command to either member of each pair that includes a listed device. When the SRDF relationships have been removed, the UNBIND request may be reissued.
each pair that includes a listed device. When the SRDF relationships have been removed, the UNBIND request may be reissued.

**More Information**

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

**EMCU51DE**

- **Devices are SNAP {source|target} devices**

**Cause**

A pool management UNBIND action was requested. The devices listed are currently source devices of a SNAP operation, and cannot be unbound.

**Action**

Wait until the SNAP operation has completed. Then reissue the UNBIND request.

**More Information**

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

**EMCU51DW**

- **Devices are SNAP {source|target} devices**

**Cause**

A pool management UNBIND action was requested. The devices listed are currently source devices of a SNAP operation, and cannot be unbound.

**Action**

Wait until the SNAP operation has completed. Then reissue the UNBIND request.

**More Information**

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

**EMCU51EE**

- **Devices are SNAP source devices**

**Cause**

A pool management UNBIND action was requested. The device(s) listed are currently source devices of a SNAP operation, and cannot be unbound.

**Action**

Wait until the SNAP operation has completed. Then reissue the UNBIND request.

**More Information**

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.
EMCU51EW

Devices are SNAP source devices

Cause
A pool management UNBIND action was requested. The device(s) listed are currently source devices of a SNAP operation, and cannot be unbound.

Action
Wait until the SNAP operation has completed. Then reissue the UNBIND request.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU51FE

Devices are of type unsupported for thin pools

Cause
A pool management action was requested, but the devices listed are of a device type that is not supported for thin pools.

Action
None.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU51FW

Devices are of type unsupported for thin pools

Cause
A pool management action was requested, but the devices listed are of a device type that is not supported for thin pools.

Action
None.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU520E

Devices not log pool devices
**EMCU521I**

**Cause**
A pool management command was issued with an action that affects pool (data or save) devices. The devices listed were in the device range specified in the command but are not pool devices and are consequently not eligible to be processed by the command.

**Action**
None.

**EMCU522E**

**Cause**
A pool management command was issued with an action that affects thin devices. The devices listed were in the device range specified in the command but are FBA Meta members, and consequently are being skipped. An FBA Meta member will be processed only if the associated head device is in the specified device range.

**Action**
None.

**EMCU522I**

**Cause**
A pool management command was issued with a device-oriented action. The device(s) listed cannot be processed because they are currently being processed by a background task that disallows the requested action. Consequently, the devices are skipped.
EMCU522W

Devices busy in background task

Cause
A pool management request was received, but there are active tasks on the storage system for the specified devices. Another pool management action is still in progress.

Action
Use QUERY commands to check the status of the requested devices and monitor their status for completion of the task. If the task appears to be stuck (that is, not making any progress), ensure there is enough free space in the pool for the operation to complete. If necessary, add and/or enable devices in the pool to allow the task to continue.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU523E

Devices have application sessions

Cause
A pool management command was issued with a device-oriented action. The devices listed cannot be processed because they contain application sessions that disallow the requested action.

Action
The application that created the session must be used to query and remove it, for example, the Thin Reclaim Utility, TimeFinder/Clone, TimeFinder/Mirror, SRDF/Star, ChangeTracker, and so forth.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU523W

Devices have application sessions

Cause
A pool management command was issued with a device-oriented action. The devices listed cannot be processed because they contain application sessions that disallow the requested action.
Action
The application that created the session must be used to query and remove it, for example, the Thin Reclaim Utility, TimeFinder/Clone, TimeFinder/Mirror, SRDF/Star, ChangeTracker, and so forth.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU524E

SYSCALL xxxx_xx_xx ERROR, RC nnnnnnnn, OBTAIN TECHNICAL SUPPORT

Cause
An error was encountered that is due to a syscall anomaly. The specific problem cannot be corrected without the assistance of technical support. Consequently, the action has failed.

Action
Contact Dell EMC Customer Support for technical assistance. Be ready to provide the error message, the command entered, and maintenance level information for the Dell EMC software you are running.

EMCU525E

INTERNAL ERROR xxxxxxxxxx, OBTAIN TECHNICAL SUPPORT

Cause
An error was encountered that is due to a program anomaly. The specific problem cannot be corrected without the assistance of technical support. Consequently, the action has failed. Return code 8 has been set.

Action
Contact Dell EMC Customer Support for technical assistance. Be ready to provide the error message, the command entered, and maintenance level information for the Dell EMC software you are running.

EMCU526E

Devices bound to different pool

Cause
A pool management request to act on a range of thin devices was received. However, a pool was specified in the command, and the range of devices to be processed includes the listed devices, which are bound to a different pool. These devices will therefore not be processed. Since SKIP was not specified, return code 8 is set, and the command fails with a validation error.

Action
Reissue the command with the SKIP parameter or adjust the device range specified in the command.
More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU526I

Devices bound to different pool

Cause
A pool management request to act on a range of thin devices was received. However, a pool was specified in the command, and the range of devices to be processed includes the listed devices, which are bound to a different pool. These devices will therefore not be processed. Since SKIP was specified, return code 0 is set.

Action
None.

EMCU526W

Devices bound to different pool

Cause
A pool management request to act on a range of thin devices was received. However, a pool was specified in the command, and the range of devices to be processed includes the listed devices, which are bound to a different pool. These devices will therefore not be processed. Since SKIP was not specified, return code 8 is set, and the command fails with a validation error.

Action
Reissue the command with the SKIP parameter or adjust the device range specified in the command.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU528E

Attempt to add mixed device types to pool pool-name

Cause
A pool management ADD POOL request to add a range of data devices to an empty thin device pool was received. However, the range of devices to be added to the pool included devices with differing attributes. Depending on the operating environment level of the storage system on which the pool is defined, the conflicting attributes that can cause this error condition include one or more of device emulation, protection mode, storage class, or speed. Return code 8 is set.

Action
Determine the device type that is wanted in the pool. Issue an ADD POOL action specifying a single data device having the required attributes. Then issue an ADD POOL command specifying the original device range and the SKIP parameter.
**EMCU529E**

Attempt to add non-data devices to thin pool

**Cause**
A pool management ADD POOL request to add a range of data devices to a thin device pool was received. However, the range of devices to be added to the pool includes non-data devices. Return code 4 is set if SKIP was specified; otherwise, return code 8 is set.

**Action**
This may not indicate an error, since a device range including both data and non-data devices may have been specified. However, insure that the correct pool name was specified and that the device range was as intended. Additionally, if the device range is known to contain both data and non-data devices, insure that SKIP was specified.

**More Information**
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

**EMCU529W**

Attempt to add non-data devices to thin pool

**Cause**
A pool management ADD POOL request to add a range of data devices to a thin device pool was received. However, the range of devices to be added to the pool includes non-data devices. Return code 4 is set if SKIP was specified; otherwise, return code 8 is set.

**Action**
This may not indicate an error, since a device range including both data and non-data devices may have been specified. However, insure that the correct pool name was specified and that the device range was as intended. Additionally, if the device range is known to contain both data and non-data devices, insure that SKIP was specified.

**More Information**
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

**EMCU52AE**

Attempt to unbind held devices

**Cause**
A pool management UNBIND action was requested. The device(s) listed are currently source devices of a SNAP operation, and cannot be unbound.

**Action**
Wait until the SNAP operation has completed. Then reissue the UNBIND request.
EMCU52BE

Specified range extends beyond highest Symmetrix device number device#

Cause
A pool or storage group management device-oriented request specified a device range that included at least one device whose device number exceeds the highest device number defined on the storage system (other devices in the specified device range may also be out of range). Command processing is terminated immediately. Return code 8 is set.

Action
Ensure that the device range was specified as intended. If the device range was correctly specified, check whether the location specification in the command identified an unintended storage system. Correct the error and resubmit the command.

EMCU52CE

Devices are GuestOS devices

Cause
An attempt has been made to add inappropriate devices to a storage group. The devices are recognized as GuestOS devices. Since the SKIP parameter was not specified, no devices were processed. Therefore, the command has ended with an error, and return code 8 has been set.

Action
If the requested device numbers were specified incorrectly, correct and reissue the command. If the device numbers were specified correctly, the request cannot be processed for the identified devices.

EMCU52DE

Request not allowed for GuestOS, PowerVault, or ACLX devices

Cause
An attempt has been made to issue a command specifying one or more of the special GuestOS, ACLX, or PowerVault devices. The command has been rejected for those devices.

Action
If necessary, alter the command to specify the appropriate devices and reissue the command.

EMCU530E

Devices already active
**Cause**
A pool management action command was issued that would result in the requested device(s) being set active, but the identified devices are already active. Since the SKIP parameter was not specified, no devices were processed. Therefore, the command has ended with an error, and return code 8 has been set.

**Action**
If the requested device numbers were specified incorrectly, correct and reissue the command. If the device numbers were specified correctly, the request cannot be processed for the identified devices in their current state.

**EMCU530I**

**Devices already active**

**Cause**
A pool management ENABLE request was received, but the requested devices are already active.

**Action**
None.

**EMCU530W**

**Devices already active**

**Cause**
A pool management action command was issued that would result in the requested device(s) being set active, but the identified devices are already active. Since the SKIP parameter was specified, the identified devices were skipped. Therefore, the command has ended with a warning, and return code 4 has been set.

**Action**
If the requested device numbers were specified incorrectly, correct and reissue the command. If the device numbers were specified correctly, the request cannot be processed for the identified devices in their current state.

**EMCU531E**

**Devices already inactive**

**Cause**
A pool management action command was issued that would result in the requested device(s) being set inactive, but the identified devices are already inactive. Since the SKIP parameter was not specified, no devices were processed. Therefore, the command has ended with an error, and return code 8 has been set.

**Action**
If the requested device numbers were specified incorrectly, correct and reissue the command. If the device numbers were specified correctly, the request cannot be processed for the identified devices in their current state.
EMCU531I

Devices already inactive

Cause
A pool management DISABLE request was received, but the requested devices are already inactive.

Action
None.

EMCU531W

Devices already inactive

Cause
A pool management action command was issued that would result in the requested device(s) being set inactive, but the identified devices are already inactive. Since the SKIP parameter was specified, the identified devices were skipped. Therefore, the command has ended with a warning, and return code 4 has been set.

Action
If the requested device numbers were specified incorrectly, correct and reissue the command. If the device numbers were specified correctly, the request cannot be processed for the identified devices in their current state.

EMCU532E

Device types do not match pool type

Cause
A pool management device-oriented request specified a device range that included at least one device whose device type does not match the pool's device type. Command processing is terminated immediately. Return code 8 is set.

Action
Ensure that the device range was specified as intended. If the device range was correctly specified, check if the specified devices match the device type of the pool. Correct the error and resubmit the command.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU532W

Device types do not match pool type
Cause
A pool management device-oriented request specified a device range that included at least one device whose device type does not match the pool's device type. Command processing is terminated immediately. Return code 8 is set.

Action
Ensure that the device range was specified as intended. If the device range was correctly specified, check if the specified devices match the device type of the pool. Correct the error and resubmit the command.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU533E

Devices do not match class and/or speed of existing pool devices

Cause
A pool management ADD POOL request to add a range of data devices to a non-empty thin device pool was received. However, the range of devices to be added to the pool included devices with attributes different from those already in the pool. Depending on the operating environment level of the storage system on which the pool is defined, the conflicting attributes that can cause this condition include one or more of device emulation, protection mode, storage class, or speed. Return code 4 is set if SKIP was specified; otherwise, return code 8 is set.

Action
This may not indicate an error, since a device range including both compatible and incompatible devices may have been specified. However, insure that the correct pool name was specified and that the device range was as intended. Additionally, if the device range is known to contain both compatible and incompatible devices, insure that SKIP was specified.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU533W

Devices do not match class and/or speed of existing pool devices

Cause
A pool management ADD POOL request to add a range of data devices to a non-empty thin device pool was received. However, the range of devices to be added to the pool included devices with attributes different from those already in the pool. Depending on the operating environment level of the storage system on which the pool is defined, the conflicting attributes that can cause this condition include one or more of device emulation, protection mode, storage class, or speed. Return code 4 is set if SKIP was specified; otherwise, return code 8 is set.

Action
This may not indicate an error, since a device range including both compatible and incompatible devices may have been specified. However, insure that the correct pool
name was specified and that the device range was as intended. Additionally, if the
device range is known to contain both compatible and incompatible devices, insure
that SKIP was specified.

**More Information**
Note that this device-oriented message is returned with an E suffix when SKIP is not
specified and a W suffix when SKIP is specified.

**EMCU534I**

Devices already bound to specified pool

**Cause**
A pool management BIND request to bind a range of thin devices to a thin device pool
was received. However, the range of devices to be bound to the pool included the
listed devices, which are already bound to the specified pool. The listed devices will
therefore not be processed Return code 0 is set.

**Action**
None.

**EMCU535I**

Devices already in specified pool

**Cause**
A pool management ADD POOL request to add a range of data devices to a thin device
pool was received. However, the range of devices to be added to the pool includes the
listed devices, which are already in the specified pool. The listed devices will therefore
not be processed Return code 0 is set.

**Action**
None.

**EMCU536I**

Devices already ready

**Cause**
A pool management USR_RDY request to set a range of thin devices to a ready state
was received. However, the range of devices to be processed includes the listed
devices, which are already in a ready state. The listed devices will therefore not be
processed. Return code 0 is set.

**Action**
None.
EMCU537I

Devices already not-ready

Cause
A pool management USR_NRDY request to set a range of thin devices to a not-ready state was received. However, the range of devices to be processed includes the listed devices, which are already not-ready. The listed devices will therefore not be processed. Return code 0 is set.

Action
None.

EMCU538I

Devices not bound, cannot be made ready

Cause
A pool management USR_RDY request to set a range of thin devices to a ready state was received. However, the range of devices to be processed includes the listed devices, which are already in the ready state. The listed devices will therefore not be processed. Since SKIP was specified, return code 0 is set.

Action
None.

EMCU539E

Data devices, cannot be made not-ready

Cause
A pool management USR_NRDY request to set a range of devices to a not-ready state was received. However, the range of devices to be processed includes the listed devices, which are data devices, which may not be set not-ready. These devices will therefore not be processed. Since SKIP was not specified, return code 8 is set and the command fails with a validation error.

Action
Reissue the command with the SKIP parameter or adjust the device range specified in the command.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU539I

Data devices, cannot be made not-ready
**Cause**
A pool management USR_NRDY request to set a range of devices to a not-ready state was received. However, the range of devices to be processed includes the listed devices, which are data devices, which may not be set not-ready. These devices will therefore not be processed if SKIP was specified, return code 0 is set. Otherwise, return code 8 is set and the command fails with a validation error.

**Action**
Reissue the command with the SKIP parameter or adjust the device range specified in the command.

**EMCU539W**

Data devices, cannot be made not-ready

**Cause**
A pool management USR_NRDY request to set a range of devices to a not-ready state was received. However, the range of devices to be processed includes the listed devices, which are data devices, which may not be set not-ready. These devices will therefore not be processed. Since SKIP was not specified, return code 8 is set and the command fails with a validation error.

**Action**
Reissue the command with the SKIP parameter or adjust the device range specified in the command.

**More Information**
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

**EMCU53AI**

Devices not thin, cannot be made not-ready

**Cause**
A pool management USR_NRDY request to set a range of thin devices to not-ready state was received. However, the range of devices to be processed includes the listed devices, which are not thin devices. These devices will therefore not be processed. If SKIP was specified, return code 0 is set. Otherwise, return code 8 is set and the command fails with a validation error.

**Action**
Reissue the command with the SKIP parameter or adjust the device range specified in the command.

**EMCU53BI**

Devices not thin, cannot be made ready

**Cause**
A pool management USR_RDY request to set a range of thin devices to ready state was received. However, the range of devices to be processed includes the listed
devices, which are not thin devices. These devices will therefore not be processed if SKIP was specified, return code 0 is set. Otherwise, return code 8 is set and the command fails with a validation error.

**Action**
Reissue the command with the SKIP parameter or adjust the device range specified in the command.

**EMCU53CI**

Devices skipped, not bound to specified pool

**Cause**
A pool management USR_NRDY request to set a range of thin devices to not-ready state was received. However, a pool was specified in the command, and the range of devices to be processed includes the listed devices, which are bound to a different pool. These devices will therefore not be processed. If SKIP was specified, return code 0 is set. Otherwise, return code 8 is set and the command fails with a validation error.

**Action**
Reissue the command with the SKIP parameter or adjust the device range specified in the command.

**EMCU53DE**

Devices not ready, cannot be added to pool

**Cause**
A pool management ADD POOL request was received, but the devices specified on the command are user not-ready.

**Action**
Make the requested devices user-ready using the pool management USR_RDY command, and reissue the ADD POOL command. Typically, the USR_RDY command is used for thin devices, but it can also be used for data devices in the event that they become user not-ready.

**More Information**
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

**EMCU53DW**

Devices not ready, cannot be added to pool

**Cause**
A pool management ADD POOL request was received, but the devices specified on the command are user not-ready.

**Action**
Make the requested devices user-ready using the pool management USR_RDY command, and reissue the ADD POOL command. Typically, the USR_RDY command is
used for thin devices, but it can also be used for data devices in the event that they become user not-ready.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU53EE

Devices are of mixed protection types or do not match pool protection type

Cause
A pool management ADD POOL request was received, but the listed devices are either of mixed protection types or do not match the protection type of the existing devices in the pool.

Action
Reissue the command using devices of the same protection type and matching the protection type of the existing pool devices, if any.

EMCU53EW

Devices are of mixed protection types or do not match pool protection type

Cause
A pool management ADD POOL request was received, but the listed devices are either of mixed protection types or do not match the protection type of the existing devices in the pool. Since the SKIP parameter was specified, the identified devices were skipped. Therefore, the command has ended with a warning, and return code 4 has been set.

Action
Select devices of the same protection type and matching the protection type of the existing devices in the pool, if any, and reissue the command for those devices.

EMCU53FE

PERSIST is valid only if PREALLOC is specified

Cause
A pool management request was received, but the PERSIST parameter was specified without the PREALLOC parameter.

Action
Reissue the command using both the PREALLOC and PERSIST parameters.
EMCU540E

Invalid alert threshold - valid range for WARN is 25-98 and valid range for CRIT is 26-99

Cause
A pool management request was received, but the WARN value and/or CRIT value specified is invalid.

Action
Reissue the command specifying a WARN value of 25 to 98 and a CRIT value of 26 to 99. If only WARN is specified, the default CRIT value of 80 is used. If only CRIT is specified, the default WARN value of 70 is used.

EMCU541E

Devices are active

Cause
A pool management request was received, but one or more devices are active, and active devices are not allowed for the requested action.

Action
Reissue the command after disabling the requested devices using the DISABLE command.

EMCU542E

Not enough space on pool devices

Cause
A pool management request was received, but there is not enough space on the active devices in the pool to complete the request.

Action
Add more devices to the pool and/or enable inactive devices in the pool, and reissue the command.

EMCU543E

There is already a GPM command in progress - please reissue when the command is complete

Cause
A pool management request was received, but a previous command is still in progress.

Action
Reissue the command after the previous command completes.
**EMCU544E**

Virtual memory exhausted - increase REGION size (i.e., add REGION=0M to JOB and/or EXEC statement)

**Cause**
A pool management request was received, but there was not enough virtual memory to complete the request.

**Action**
Increase the REGION size by adding REGION=0M to the JOB statement and/or EXEC statement, and reissue the command.

**EMCU546E**

Devices have a DRAIN task in progress - please retry when the task is complete

**Cause**
A pool management request was received, but the requested devices currently have a drain task in progress on the storage system, which is not allowed for the requested action.

**Action**
Wait for the drain task to complete, or use the HDRAIN command to halt the drain task on the devices, and reissue the command.

**EMCU547E**

Devices were only partially preallocated due to insufficient space on pool devices

**Cause**
A pool management request was received that attempted to fully preallocate the requested devices; however there was insufficient space on the active pool devices to fully preallocate them. As a result, one or more of the requested devices were only partially preallocated.

**Action**
Add more devices to the pool and/or enable inactive devices in the pool, and reissue the command.

**EMCU548E**

UNBIND not allowed for XRC devices

**Cause**
A pool management UNBIND request was received, but one or more of the requested devices are in an XRC relationship, which is not allowed for the UNBIND action.
EMCU548W

UNBIND not allowed for XRC devices

**Cause**
A pool management UNBIND request was received, but one or more of the requested devices are in an XRC relationship, which is not allowed for the UNBIND action.

**Action**
Use XRC to remove the XRC sessions, and reissue the command.

**More Information**
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU549E

Command is unsupported on controller

**Cause**
A pool management request was received, but the requested action is not supported on the executing director on the storage system.

**Action**
Reissue the command on a storage system that supports the requested action. See the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide for information about the required operating environment levels.

EMCU550E

Command failed to complete in the allotted time - check device status

**Cause**
A pool management request was received, but the task on the storage system is still in progress, most likely because the request contains large devices or a large number of devices.

**Action**
Use QUERY commands to check the status of the requested devices and monitor their status for completion of the task.
**EMCU551E**

Symmetrix task ended in error

**Cause**
A pool management request was received, but the task that was created to process the action on the storage system ended in error.

**Action**
Ensure that the parameters were specified correctly, check the state of the requested devices, and reissue the command. Contact the Dell EMC Customer Support Center for technical assistance if the problem persists.

**EMCU552E**

Symmetrix task is halted

**Cause**
A pool management request was received, but the task that was created to process the action on the storage system was halted.

**Action**
Check the state of the requested devices, and reissue the command. Contact the Dell EMC Customer Support Center for technical assistance if the problem persists.

**EMCU553E**

Symmetrix task is still running - check device status to verify completion

**Cause**
A pool management request was received, but the task on the storage system is still in progress, most likely because the request contains large devices or a large number of devices. This message can also occur because there is not enough free space in the pool for the task to continue.

**Action**
Use QUERY commands to check the status of the requested devices and monitor their status for completion of the task. If the task appears to be stuck (i.e., not making any progress), ensure there is enough free space in the pool for the operation to complete. If necessary, add and/or enable devices in the pool to allow the task to continue.

**EMCU554E**

Symmetrix task could not start for devices - check device state

**Cause**
A pool management request was received, but the task on the storage system that was created to process the action could not start.
**EMCU555E**

**Draining devices are waiting for free space in pool to complete drain - ADD and/or ENABLE other pool devices**

**Cause**
A pool management DRAIN request was received, but the task on the storage system that was created to process the request cannot complete the drain process because there is not enough space on the other active devices in the pool.

**Action**
Add more devices to the pool and/or enable inactive devices in the pool so there is enough free space in the pool for the requested devices to complete draining.

**EMCU556E**

**Symmetrix task failed due to not enough space in pool - ADD and/or ENABLE pool devices and reissue**

**Cause**
A pool management request was received, but the task on the storage system that was created to process the action could not compete because there is not enough free space on the active devices in the pool.

**Action**
Add more devices to the pool and/or enable inactive devices in the pool, and reissue the command.

**EMCU558E**

**Symmetrix task ended in error because devices could not be bound - check device state**

**Cause**
A pool management request to bind the requested devices was received, but the task that was created on the storage system to process the action ended in error because the devices could not be bound.

**Action**
Ensure that the parameters were specified correctly, check the state of the requested devices, and reissue the command. Contact the Dell EMC Customer Support Center for technical assistance if the problem persists.
EMCU560E

Symmetrix task ended in error because deallocation for devices failed - check device state

Cause
A pool management request that required deallocation of the requested devices was received, but the task that was created on the storage system to process the action ended in error because the devices could not be deallocated.

Action
Ensure that the parameters were specified correctly, check the state of the requested devices, and reissue the command. Contact the Dell EMC Customer Support Center for technical assistance if the problem persists.

EMCU562E

Symmetrix task ended in error because devices could not be unbound - check device state

Cause
A pool management request to unbind the requested devices was received, but the task that was created on the storage system to process the action ended in error because the devices could not be unbound.

Action
Ensure that the parameters were specified correctly, check the state of the requested devices, and reissue the command. Contact the Dell EMC Customer Support Center for technical assistance if the problem persists.

EMCU563E

Devices have protected tracks

Cause
A pool management request was received, but the requested devices have protected tracks, which are not allowed for the requested action.

Action
Protected tracks are typically the result of a copy operation. Wait for the copy operation to complete, or use the application that created the protected tracks to stop the copy operation, and reissue the command.

EMCU564E

Devices identified as incomplete could not be drained due to not enough space on other pool devices
**Cause**  
A pool management DRAIN request was received, but the devices identified as incomplete could not be drained because there is not enough free space on the other active devices in the pool.

**Action**  
Add more devices to the pool and/or enable inactive devices in the pool, and reissue the command.

**EMCU565E**

**Devices identified as incomplete are inactive because they are not draining or are already drained**

**Cause**  
A pool management HDRAIN request was received, but the devices identified as incomplete were not made active as a result of the halt-drain because they were either not draining or had already finished draining. Draining was not halted for these devices, and they remain in an inactive state.

**Action**  
None.

**EMCU566E**

**Maximum number of pools supported on Symmetrix has been reached - delete unused pools and retry**

**Cause**  
A pool management CREATE POOL request was received, but the requested pool could not be created because the maximum number of device pools supported on the storage system has been reached.

**Action**  
Use the DISPLAY command to list the pools on the storage system, delete an unused pool using the DELETE POOL command, and reissue the CREATE POOL command to create the requested pool.

**EMCU567E**

**Maximum oversubscription rate for pool pool-name is zero (i.e., the pool is locked)**

**Cause**  
A pool management request was received, but the maximum oversubscription rate for the requested pool is zero, meaning the pool is locked and therefore cannot be processed.

**Action**  
Use the POOLATTR command to change the max oversubscription rate (MAXOSUB) for the pool to anything other than zero, and reissue the command.
EMCU568E

One or more devices have online paths

**Cause**
A pool management USR_NRDY or UNBIND request was received, but the requested devices have online paths, that is, they are online to a host.

**Action**
See message EMCU569E for more information, including the devices that have online paths and what systems they are currently online to. Vary the devices offline to each system where they are online, and reissue the command.

EMCU569E

Device device# (symm-serial#) is online to system(s): system-serial#

**Cause**
A pool management USR_NRDY or UNBIND request was received, but the device specified by device# had online paths; that is, it was online to the systems specified by system-serial#. If the specified device was online to multiple systems, the other systems to which it was online are specified on the subsequent lines.

**Action**
Vary the devices offline to each system where they are online, and reissue the command.

EMCU570W

FORCE was specified causing some validation to be bypassed - ineligible devices may have been processed

**Cause**
A pool management request was received, and the FORCE parameter was specified, causing some validation to be bypassed. As a result, some devices that would normally be ineligible may have been processed.

**Action**
None.

EMCU571E

Snap pools are not supported for microcode level (microcode level must be 5x71 or greater)

**Cause**
A pool management request was received, but the operating environment level of the storage system does not support snap pools. Snap pools are supported with Enginuity 5x71 or a later level of the operating environment.
EMCU572E

DSE pools are not supported for microcode level (microcode level must be 5x72 or greater)

Cause
A pool management request was received, but the operating environment level of the storage system does not support DSE pools. DSE pools are supported with Enginuity 5x72 or a later level of the operating environment.

Action
If the command was issued to the wrong storage system, correct and reissue the command. Otherwise, issue the command to a storage system running Enginuity 5x72 or a later level of the operating environment.

EMCU573E

Thin pools are not supported for microcode level (microcode level must be 5x73 or greater)

Cause
A pool management request was received, but the operating environment level of the storage system does not support thin pools. Thin pools are supported with Enginuity 5x73 or a later level of the operating environment.

Action
If the command was issued to the wrong storage system, correct and reissue the command. Otherwise, issue the command to a storage system running Enginuity 5x73 or a later level of the operating environment.

EMCU574E

Devices are in an incompatible state (e.g., device NR or RDF NR) - correct device state and reissue

Cause
A pool management request was received, but the requested devices are in an incompatible state (for example, device not ready or SRDF not ready).

Action
Correct the device state using the appropriate application, and reissue the command.
**EMCU575E**

Warning alert threshold (WARN) must be less than the critical alert threshold (CRIT)

**Cause**
A pool management POOLATTR request was received, but the specified warning alert threshold (WARN) is greater than the critical alert threshold (CRIT). This can occur because the specified WARN value is greater than the default CRIT value of 80 or the CRIT value specified on the command, or the specified CRIT value is less than the default WARN value of 70 or the WARN value specified on the command.

**Action**
On the POOLATTR command, specify a warning alert threshold (WARN) less than the critical alert threshold (CRIT), and reissue the command. WARN can range from 25 to 98 but must be less than the default CRIT value of 80 or the CRIT value specified on the command. CRIT can range from 26-99 but must be greater than the default WARN value of 70 or the WARN value specified on the command.

**EMCU576E**

No devices in pool pool-name

**Cause**
A pool management request was received, but there are no devices in the specified pool.

**Action**
Ensure that the correct pool name was specified. If the pool name was specified incorrectly, fix it and reissue the command. If the pool name was specified correctly, add devices to the pool using ADD POOL, enable the pool devices using ENABLE, and reissue the command.

**EMCU577W**

No allocations in pool pool-name

**Cause**
A pool management QUERY ALLOC ALLALLOC request was received, but there are no allocations in the specified pool to display.

**Action**
Ensure that the correct pool name and/or thin device numbers were specified. If the pool name and/or thin device numbers were specified incorrectly, correct and reissue the command. If the command was specified correctly, allocate data to the thin devices, and reissue the command.
EMCU578E

Thin FBA is not supported for microcode level (microcode level must be 5x73 or greater)

Cause
A pool management request was received, but the operating environment level of the storage system does not support thin FBA devices. Thin FBA devices are supported with Enginuity 5x73 or a later level of the operating environment.

Action
If the command was issued to the wrong storage system, correct and reissue the command. Otherwise, issue the command to a storage system running Enginuity 5x73 or a later level of the operating environment.

EMCU579E

Thin CKD is not supported for microcode level (microcode level must be 5x76 or greater)

Cause
A pool management request was received, but the operating environment level of the storage system does not support thin CKD devices. Thin CKD devices are supported with Enginuity 5x76 or a later level of the operating environment.

Action
If the command was issued to the wrong storage system, correct and reissue the command. Otherwise, issue the command to a storage system running Enginuity 5x76 or a later level of the operating environment.

EMCU580E

One or more devices already have a DRAIN task in progress

Cause
A pool management DRAIN request was received, but there is already a DRAIN task in progress for one or more of the specified devices.

Action
Ensure that the requested pool devices were specified correctly. If the device numbers were specified incorrectly, correct and reissue the command. If the device numbers were specified correctly, query the pool devices and wait for the devices that are already draining to complete before reissuing the command.

EMCU581I

PERSIST command found with no option specified - defaulting to PERSIST OFF
EMCU582E

Devices are Space Efficient FlashCopy devices, which are not supported for the requested operation

Cause
A pool management request was received, but the specified thin devices are Space Efficient FlashCopy devices, which are not supported for the requested operation.

Action
Ensure that the requested thin devices were specified correctly. If the thin device numbers were specified incorrectly, correct and reissue the command. Otherwise, the requested command is not supported for the specified thin devices.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU582W

Devices are Space Efficient FlashCopy devices, which are not supported for the requested operation

Cause
A pool management request was received, but the specified thin devices are Space Efficient FlashCopy devices, which are not supported for the requested operation.

Action
Ensure that the requested thin devices were specified correctly. If the thin device numbers were specified incorrectly, correct and reissue the command. Otherwise, the requested command is not supported for the specified thin devices.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU583E

Invalid thin device specified
**Cause**
A pool management request was received, but the specified devices are not thin devices and are therefore not supported for the requested operation.

**Action**
Correct the specified thin device numbers, and reissue the command.

**EMCU584E**

Request timed out due to a resource limitation on the Symmetrix - please try again later

**Cause**
A pool management request was received, but the request timed out on the storage system due to a resource limitation.

**Action**
Wait until the storage system is less busy, and reissue the command. If the problem persists, contact Dell EMC Customer Support for technical assistance.

**EMCU585W**

MOVE background task is waiting for free space in the pool - ADD and/or ENABLE pool devices for the task to continue

**Cause**
A pool management MOVE request was received, but there is not enough free space in the target pool for the MOVE background task on the storage system to continue.

**Action**
Add and/or enable data devices in the target pool, and ensure there is enough free space in the pool for the operation to complete. Once data devices with free space are enabled in the target pool, the MOVE task will continue. The MOVE task will not complete unless there is enough free space in the target pool to hold all of the tracks being moved.

**EMCU586E**

Invalid pool device specified

**Cause**
A pool management request was received, but the requested devices do not match the type of the specified pool. If the specified pool is a thin pool, the requested devices are not data devices. If the specified pool is a Snap pool or DSE pool, the requested devices are not save devices. Therefore, the specified devices are not supported for the requested operation.

**Action**
If the specified pool is a thin pool, data devices must be specified. If the specified pool is a Snap pool or DSE pool, save devices must be specified. Correct the specified device numbers, and reissue the command.
EMCU587E

I/O error occurred while issuing command to Symmetrix

Cause
A pool management request was received, but an I/O error occurred while issuing the request to the storage system. The I/O was retried numerous times but was unsuccessful.

Action
Ensure that the gatekeeper CUU was specified correctly and is accessible. If there is a problem with the gatekeeper device, correct the problem and reissue the command. If the gatekeeper device was specified correctly and is accessible, wait until the storage system is less busy, and reissue the command. If the problem persists, contact Dell EMC Customer Support for technical assistance.

EMCU588E

Symmetrix API call failed (xx/xx/xx/xxxx)

Cause
A pool management request was received, but a Symmetrix API error occurred that prevented the command from completing successfully.

Action
Ensure that the gatekeeper CUU and device numbers were specified correctly and are accessible. If there is a problem with the gatekeeper or devices specified, correct the problem and reissue the command. If an abend occurred, the completion code may give an indication as to what the problem is.

For example, if an S878 abend occurred, increase the region size on the job. If the gatekeeper and device numbers were specified correctly and no abend occurred, try reissuing the command. If the problem persists, contact Dell EMC Customer Support for technical assistance.

More Information
The information in the message specified in parenthesis is for Dell EMC use and identifies the first two letters of the API call, and the EMCRC, EMCRS, and EMCRCX codes, respectively.

EMCU589E

At least one thin device is bound, and the following device is the last active data device in the pool

Cause
A pool management DISABLE request was received, but the device number listed is the last active data device in the pool and cannot be disabled while there are thin devices bound to the pool. Since there are one or more thin devices bound, the pool must contain at least one active data device.
Action
If the DISABLE command for all devices in the pool was issued intentionally, the thin devices bound to the pool must first be unbound before the last active data device can be disabled. UNBIND all thin devices bound to the pool, and reissue the DISABLE command for the remaining active data device.

Warning: UNBIND terminates the relationship between a thin device and the pool to which it is bound. Any tracks allocated to the devices in the pool on behalf of the thin device being unbound are freed.

If the DISABLE command for all devices in the pool was issued accidentally, use the ENABLE command to re-enable the devices as soon as possible.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU589W

At least one thin device is bound, and the following device is the last active data device in the pool

Cause
A pool management DISABLE request was received, but the device number listed is the last active data device in the pool and cannot be disabled while there are thin devices bound to the pool. Since there are one or more thin devices bound, the pool must contain at least one active data device.

Action
If the DISABLE command for all devices in the pool was issued intentionally, the thin devices bound to the pool must first be unbound before the last active data device can be disabled. UNBIND all thin devices bound to the pool, and reissue the DISABLE command for the remaining active data device.

Warning: UNBIND terminates the relationship between a thin device and the pool to which it is bound. Any tracks allocated to the devices in the pool on behalf of the thin device being unbound are freed.

If the DISABLE command for all devices in the pool was issued accidentally, use the ENABLE command to re-enable the devices as soon as possible.

More Information
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

EMCU590E

At least one thin device is bound, and the following is the last data device in the pool and should be enabled

Cause
A pool management REMOVE POOL request was received, but the device number listed is the last data device in the pool and cannot be removed while there are thin devices bound to the pool. Since there are one or more thin devices bound, the pool must contain at least one active data device.
**Action**  
If the REMOVE POOL command for all devices in the pool was issued intentionally, the thin devices bound to the pool must first be unbound before the last data device can be removed. UNBIND all thin devices bound to the pool, and then reissue the REMOVE POOL command for the remaining data device.

**Warning:** UNBIND terminates the relationship between a thin device and the pool to which it is bound. Any tracks allocated to the devices in the pool on behalf of the thin device being unbound are freed.

If the REMOVE POOL command for all devices in the pool was issued accidentally, use the ENABLE command to re-enable the devices as soon as possible. Since there are one or more thin devices bound, there must be at least one active data device in the pool.

**More Information**  
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

---

**EMCU590W**

At least one thin device is bound, and the following is the last data device in the pool and should be enabled

**Cause**  
A pool management REMOVE POOL request was received, but the device number listed is the last data device in the pool and cannot be removed while there are thin devices bound to the pool. Since there are one or more thin devices bound, the pool must contain at least one active data device.

**Action**  
If the REMOVE POOL command for all devices in the pool was issued intentionally, the thin devices bound to the pool must first be unbound before the last data device can be removed. UNBIND all thin devices bound to the pool, and then reissue the REMOVE POOL command for the remaining data device.

**Warning:** UNBIND terminates the relationship between a thin device and the pool to which it is bound. Any tracks allocated to the devices in the pool on behalf of the thin device being unbound are freed.

If the REMOVE POOL command for all devices in the pool was issued accidentally, use the ENABLE command to re-enable the devices as soon as possible. Since there are one or more thin devices bound, there must be at least one active data device in the pool.

**More Information**  
Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

---

**EMCU591E**

RACF security check failed - user lacks sufficient access authority

**Cause**  
A pool management action command was issued, but the user lacks update access authority for the resource name EMC.ADMIN.CMD.GPM.
Action
Contact your security administrator to obtain update access authority for the resource name EMC.ADMIN.CMD.GPM, and reissue the command.

EMCU592E

SRCPOOL(pool name) required for action, not specified

Cause
A pool management command was entered. The requested action requires the SRCPOOL keyword parameter specifying the source pool name. The SRCPOOL parameter was not present, therefore the command failed with a return code of 8.

Action
Include the SRCPOOL keyword parameter specifying a valid pool name for the source pool, and resubmit the command.

EMCU593E

Devices not bound to specified pool

Cause
A pool management action command was issued. The requested devices are not currently bound to the specified pool and are therefore not eligible for processing. Consequently, the action has failed. Return code 8 has been set.

Action
Ensure the requested device numbers and pool name were specified correctly. If the device numbers or pool name were specified incorrectly, correct and reissue the command.

EMCU594E

No active data devices in target pool

Cause
A pool management action command was issued that would cause thin devices to be rebound to the target pool specified, but there are no active data devices in that pool. Consequently, the action has failed. Return code 8 has been set.

Action
Add and/or enable devices in the target pool, and reissue the command.

EMCU595E

Background task already in progress
**Cause**  
A pool management action command was issued, but there is already a background task in progress for the requested pool or devices. Consequently, the action has failed. Return code 8 has been set.

**Action**  
Ensure that the requested pool name and/or device numbers were specified correctly. If the pool name and/or device numbers were specified incorrectly, correct and reissue the command. If the command was specified correctly, use queries to monitor the current task for completion. Once the current task is complete, reissue the command.

---

**EMCU596E**

Processing devices would cause maximum oversubscription ratio of pool to be exceeded

**Cause**  
A pool management action command was issued, but the successful completion of this action would cause the maximum oversubscription ratio of the pool to be exceeded. Consequently, the action has failed. Return code 8 has been set.

**Action**  
If necessary and appropriate, either add and/or enable data devices in the pool, UNBIND thin devices from the pool, or decrease the maximum oversubscription ratio of the pool using the POOLATTR command. After correcting the problem, reissue the command.

---

**EMCU597E**

COMPRESSION parameter is invalid - pool pool-name is not thin

**Cause**  
A pool management action command was issued specifying the COMPRESSION(ENABLE|DISABLE) parameter, and an explicit pool name was specified via the POOL keyword parameter. However, the specified pool is not a thin pool. Consequently, the command has failed. Return code 8 has been set.

**Action**  
Determine whether an incorrect pool name was specified on the command, or if the pool type was specified incorrectly when the pool was created. If the pool name was specified incorrectly, reissue the command specifying the correct pool name. If the pool was created incorrectly, it may be appropriate to delete and recreate the pool before reissuing the command.

---

**EMCU598E**

Compression is disabled for pool - use POOLATTR with COMPRESSION(ENABLE) to enable compression and reissue command
Cause
A pool management COMPRESS command was issued. The specified thin pool is not enabled for compression, therefore thin devices bound to that pool are not eligible to be compressed. Consequently, the command has failed. Return code 8 has been set.

Action
Enable compression for the requested thin pool using the POOLATTR command with COMPRESSION(ENABLE) parameter, and reissue the command.

EMCU599E

Process devices would increase pool usage for active devices to greater than 90% used

Cause
A pool management action command was issued, but the successful completion of this action would cause the percentage used for the pool to exceed 90%. Since SKIP was not specified, the action has failed, and return code 8 has been set.

Action
If necessary and appropriate, either add and/or enable data devices in the pool or UNBIND thin devices from the pool, to decrease the percentage used for the pool. Then reissue the command.

EMCU599W

Process devices would increase pool usage for active devices to greater than 90% used

Cause
A pool management action command was issued, but the successful completion of this action would cause the percentage used for the pool to exceed 90%. Since SKIP was specified, the command has ended with a warning, and return code 4 has been set.

Action
If necessary and appropriate, either add and/or enable data devices in the pool or UNBIND thin devices from the pool, to decrease the percentage used for the pool. Then reissue the command.

EMCU600E

Cannot process devices because no more than 20% of devices in pool can be drained at once

Cause
A pool management DRAIN command was issued, but the successful completion of this action would start the draining of more than 20% of the devices in the pool at once. Since SKIP was not specified, the action has failed, and return code 8 has been set.
Action
If necessary and appropriate, either add more data devices to the pool so you are able to drain a greater number of devices at once or specify a smaller range of devices on the command. Then reissue the DRAIN command specifying no more than 20% of the devices in the pool.

EMCU600W

Cannot process devices because no more than 20% of devices in pool can be drained at once

Cause
A pool management DRAIN command was issued, but the successful completion of this action would start the draining of more than 20% of the devices in the pool at once. Since SKIP was specified, the action has ended with a warning, and return code 4 has been set.

Action
If necessary and appropriate, either add more data devices to the pool so you are able to drain a greater number of devices at once or specify a smaller range of devices on the command. Then reissue the DRAIN command specifying no more than 20% of the devices in the pool.

EMCU601E

Pool is enabled for compression, and the following device is the last active data device in the pool

Cause
A pool management DISABLE command was issued. The listed device is the last active data device in the pool and cannot be disabled because the pool is enabled for compression. Since SKIP was specified, the command has ended with a warning, and return code 4 has been set.

Action
Disable compression for the requested thin pool using the POOLATTR command with the COMPRESSION(DISABLE) parameter, and reissue the DISABLE command.

EMCU601W

Pool is enabled for compression, and the following device is the last active data device in the pool

Cause
A pool management DISABLE command was issued. The listed device is the last active data device in the pool and cannot be disabled because the pool is enabled for compression. Since SKIP was specified, the command has ended with a warning, and return code 4 has been set.

Action
Disable compression for the requested thin pool using the POOLATTR command with the COMPRESSION(DISABLE) parameter, and reissue the DISABLE command.
EMCU602E

Cannot MOVE devices from a compression enabled pool to a pool not enabled for compression

Cause
A pool management MOVE command was issued. The requested devices could not be moved because the source pool is enabled for compression, and the target pool has compression disabled. Consequently, the command has failed. Return code 8 has been set.

Action
Either enable compression for the target pool using the POOLATTR command with the COMPRESSION(ENABLE) parameter, or DECOMPRESS any compressed thin devices in the source pool and disable compression for the source pool using the POOLATTR command with the COMPRESSION(DISABLE) parameter. Then reissue the MOVE command.

EMCU603E

Can only set MAXOSUB to a value greater than the current oversubscription ratio of the pool

Cause
A pool management action command was issued that would set the maximum oversubscription ratio for the requested pool, but the value specified for MAXOSUB is not greater than the current oversubscription ratio of the pool, which is not allowed. Consequently, the command has failed, and return code 8 has been set.

Action
If the requested MAXOSUB value was specified incorrectly, correct and reissue the command. If the command was specified correctly, the current oversubscription ratio of the pool must be decreased to less than the desired maximum oversubscription ratio before MAXOSUB can be set to that value. The current oversubscription ratio of the pool can be decreased by adding more data devices to the pool or unbinding thin devices from the pool, either of which should only be done if necessary and appropriate.

EMCU604E

Level mismatch between GPM modules - for compatibility, all modules must be at the same level

Cause
A pool management command was issued, but there is level mismatch between GPM modules. For compatibility purposes, all GPM modules must be at the same level. Consequently, the command has failed, and return code 8 has been set.

Action
Ensure that the SCFMAIN step in your SCF PROC and your ESFGMPMBT batch job have the same STEPLIB concatenation. If the STEPLIB in your batch job was specified
incorrectly, is not up to date, or is missing, then correct it and re-issue the command. If the STEPLIB for the SCFMAIN step in your SCF PROC was specified incorrectly, is not up to date, or is missing, then correct it, restart your SCF, and reissue the command. Please note that SCF should only be restarted if necessary and appropriate.

**EMCU605E**

**Command is greater than 256 characters in length**

**Cause**
A pool management action command was issued, but the command is greater than 256 characters in length, which is not allowed. Consequently, the command has failed, and return code 8 has been set.

**Action**
If the command was specified incorrectly, correct and reissue the command. If the command was specified correctly, decrease the number of optional parameters until the command is less than 256 characters in length, and reissue the command.

**EMCU606I**

**Thin Reclaim Utility call failed - ensure TRU is enabled and devices are included for monitoring by TRU**

**Cause**
A pool management action command was issued, but a call to the Thin Reclaim Utility failed. This failure does not affect the return code.

**Action**
If the requested command was specified incorrectly, correct and reissue the command. If the command was specified correctly, ensure the requested devices are included in SCF, the Thin Reclaim Utility is enabled, and the devices are included for monitoring by TRU.

**EMCU607E**

**Cannot MOVE compressed devices to a pool not enabled for compression**

**Cause**
A pool management MOVE command was issued. The requested devices could not be moved because the source pool is enabled for compression, and at least one of the requested devices has compressed allocations. Consequently, the command has failed, and return code 8 has been set.

**Action**
Either enable compression for the target pool using the POOLATTR command with the COMPRESSION(ENABLE) parameter, or DECOMPRESS all of the requested devices that have compressed allocations. Then reissue the MOVE command.
EMCU609I

Waiting for compression to enable/disable for pool pool_name

Cause
A pool management POOLATTR command was issued with the COMPRESSION(ENABLE) or COMPRESSION(DISABLE) parameter. The specified pool is in the process of enabling/disabling, and the command will complete when the process is complete.

Action
None.

EMCU610W

Compression not yet enabled - verify that there are active data devices with free space in pool

Cause
A pool management POOLATTR command was issued with the COMPRESSION(ENABLE) parameter. After 15 minutes, compression is still not fully enabled for the specified pool. Consequently, the command has ended with a warning, and return code 4 has been set.

Action
Ensure that there are active data devices with free space in the specified pool. If not, add to and/or enable data devices in the pool. Monitor the compression status of the pool for completion using the pool list DISPLAY command.

EMCU611W

Compression not yet disabled - verify that all thin devices bound to pool have been decompressed

Cause
A pool management POOLATTR command was issued with the COMPRESSION(DISABLE) parameter. After 15 minutes, compression is still not fully disabled for the specified pool. Consequently, the command has ended with a warning, and return code 4 has been set.

Action
Ensure that all thin devices bound to the specified pool have been decompressed. If not, DECOMPRESS all thin devices bound to the pool. Monitor the compression status of the pool for completion using the pool list DISPLAY command.

EMCU612I

Compression status for pool pool_name: Enabled|Disabled
**Cause**

A pool management POOLATTR command was issued with the COMPRESSION(ENABLE) or COMPRESSION(DISABLE) parameter. Compression is now fully enabled/disabled for the specified pool. Consequently, the command has completed successfully.

**Action**

None.

---

**EMCU613I**

Thin Reclaim Utility session successfully removed for devices

**Cause**

A pool management UNBIND command was issued. A Thin Reclaim Utility application session was successfully removed for at least one of the requested devices.

**Action**

None.

---

**EMCU614E**

Device in range has application session

application_id(application_name)

**Cause**

A pool management UNBIND command was issued, but one or more of the requested thin devices has at least one application session, which is not allowed. The application ID is supplied in the message, and if it is a known application, the application name is also supplied. Consequently, the command has failed, and return code 8 has been set.

**Action**

If the requested device numbers were specified incorrectly, correct and reissue the command. If the command was specified correctly, all application sessions must be removed from the requested thin devices using the application that created them. After all application sessions have been removed, reissue the UNBIND command.

---

**EMCU615E**

Devices are in the default pool

**Cause**

A pool management action command was issued, but the identified devices are in the default pool, which is not allowed. Since the SKIP parameter was not specified, no devices were processed. Therefore, the command has ended with an error, and return code 8 has been set.

**Action**

If the requested device numbers were specified incorrectly, correct and reissue the command. If the device numbers were specified correctly, the request cannot be processed for the identified devices until they are added to a user pool.
EMCU615W

Devices are in the default pool

Cause
An error occurred because the default pool is not allowed. Since the SKIP parameter was specified, the identified devices were skipped. Therefore, the command has ended with a warning, and return code 4 has been set.

Action
If the requested device numbers were specified incorrectly, correct and reissue the command. If the device numbers were specified correctly, the request cannot be processed for the identified devices until they are added to a user pool.

EMCU616I

Waiting for Symmetrix background task to complete for devices

Cause
A pool management action command was issued with the WAIT (wait for completion) parameter. The request has been submitted to the storage system for execution as a background task. We are periodically polling for completion of the task.

Action
None.

EMCU617I

Waiting for task-type task to complete for pool pool-name

Cause
A pool management action command was issued with the WAIT (wait for completion) parameter. The request has been submitted to the storage system for execution as a background task. We are periodically polling for completion of the task.

Action
None.

EMCU618I

Task status for pool pool-name: task-status - Status checks remaining: polls-remaining

Cause
A pool management action command was issued with the WAIT (wait for completion) parameter. The request has been submitted to the storage system for execution as a background task. We are periodically polling for completion of the task. This message indicates the name of the requested pool, its current status (for example,
Rebalancing), and the number of status checks remaining before the command will time out if the task is not yet complete.

Action
None.

EMCU619I

*task-type task complete for pool pool-name*

Cause
A pool management action command was issued. The request was submitted to the storage system for execution as a background task, and the task is now complete.

Action
None.

EMCU619W

*task-type task still active for pool pool-name*

Cause
A pool management action command was issued with the WAIT (wait for completion) parameter. The request was submitted to the storage system for execution as a background task, but GPM timed out waiting for it to complete. The background task is still in progress on the storage system. Since GPM was unable to verify successful completion of the task, the command has ended with a warning, and return code 4 has been set.

Action
Monitor the status of the background task using the appropriate QUERY (or DISPLAY) command, and verify successful completion of the task.

EMCU620I

Symmetrix task submitted for execution and will continue in background

Cause
A pool management action command was issued, but the WAIT (wait for completion) parameter was not specified. The request has been submitted to the storage system for execution and will continue running in the background.

Action
Monitor the status of the background task using the appropriate QUERY (or DISPLAY) command, and verify successful completion of the task.

EMCU621E

No active data devices with free space in pool
Cause
A pool management action command was issued that requires free space on active devices in the pool. Either all devices are inactive, or the active devices are full. Consequently, the command has failed, and return code 8 has been set.

Action
If the requested devices and/or pool name was specified incorrectly, correct and reissue the command. If the command was specified correctly, add and/or enable devices in the pool, and reissue the command. This should only be done if necessary and appropriate.

EMCU622E

Specified pool is unavailable

Cause
A pool management action command was issued, but the specified pool is unavailable. Consequently, the command has failed, and return code 8 has been set.

Action
If the requested pool name was specified incorrectly, correct and reissue the command. If the command was specified correctly, add new devices to the pool, enable the devices, and reissue the command. This should only be done if necessary and appropriate. If the problem persists, contact Dell EMC Technical Support for assistance.

EMCU623E

Devices are not data devices

Cause
A pool management action command was issued for a thin pool, but the identified devices are not data devices. Since the SKIP parameter was not specified, no devices were processed. Therefore, the command has ended with an error, and return code 8 has been set.

Action
If the requested device numbers were specified incorrectly, correct and reissue the command. If the device numbers were specified correctly, the request cannot be processed for the identified devices given the specified pool.

EMCU623W

Devices are not data devices

Cause
A pool management action command was issued for a thin pool, but the identified devices are not data devices. Since the SKIP parameter was specified, the identified devices were skipped. Therefore, the command has ended with a warning, and return code 4 has been set.
Action
If the requested device numbers were specified incorrectly, correct and reissue the command. If the device numbers were specified correctly, the request cannot be processed for the identified devices given the specified pool.

EMCU624E

Devices are not save devices

Cause
A pool management action command was issued for a Snap pool or DSE pool, but the identified devices are not save devices. Since the SKIP parameter was not specified, no devices were processed. Therefore, the command has ended with an error, and return code 8 has been set.

Action
If the requested device numbers were specified incorrectly, correct and reissue the command. If the device numbers were specified correctly, the request cannot be processed for the identified devices given the specified pool.

EMCU624W

Devices are not save devices

Cause
A pool management action command was issued for a Snap pool or DSE pool, but the identified devices are not save devices. Since the SKIP parameter was specified, the identified devices were skipped. Therefore, the command has ended with a warning, and return code 4 has been set.

Action
If the requested device numbers were specified incorrectly, correct and reissue the command. If the device numbers were specified correctly, the request cannot be processed for the identified devices given the specified pool.

EMCU625E

Prohibited by access controls (Symmetrix system call was blocked)

Cause
A pool management request was received, but a function it requires is prohibited by access controls, therefore the request could not be processed.

Action
Contact your site administrator to determine what needs to be done. To perform this operation, access controls may need to be changed to allow the function to run on your system against the select devices.
EMCU626I

Defaulting to TYPE(THINPOOL)

Cause
A pool management CREATE POOL request was issued. The TYPE parameter was not specified. Consequently, the default of TYPE(THINPOOL) was used, resulting in the creation of a thin pool.

Action
None.

More Information
Example:

```
EMCU500I CREATE POOL POOL(TESTPOOL1) LCL(UNIT(2301))
EMCU626I Defaulting to TYPE(THINPOOL)
EMCU002I GPM command successful
```

EMCU627I

TYPE(SNAPPOOL) converted to TYPE(THINPOOL)

Cause
A pool management CREATE POOL request was issued with TYPE(SNAPPOOL). However, the current operating environment level only supports a single pool type, thin pool, which can be used for virtual provisioning as well as Snap and SRDF/A spillover (DSE). Consequently, a thin pool was created.

Action
None.

More Information
Example:

```
EMCU500I CREATE POOL POOL(TESTPOOL1) TYPE(SNAPPOOL)
LCL(UNIT(2301))
EMCU627I TYPE(SNAPPOOL) converted to TYPE(THINPOOL)
EMCU002I GPM command successful
```

EMCU628I

TYPE(DSEPOOL) converted to TYPE(THINPOOL)

Cause
A pool management CREATE POOL request was issued with TYPE(DSEPOOL). However, the current operating environment level only supports a single pool type, thin pool, which can be used for virtual provisioning as well as Snap and SRDF/A spillover (DSE). Consequently, a thin pool was created.
Action
None.

More Information
Example:

EMCU500I CREATE POOL POOL(TESTPOOL1) TYPE(DSEPOOL)
  LCL(UNIT(2301))
EMCU628I TYPE(DSEPOOL) converted to TYPE(TINPOOL)
EMCU002I GPM command successful

EMCU629I

QUERY SAVEDEV converted to QUERY DATADEV

Cause
A QUERY SAVEDEV command was issued. However, the current operating environment level no longer supports save devices. Thin pools, which contain data devices, can now be used for virtual provisioning as well as Snap and SRDF/A spillover (DSE). Consequently, data devices were displayed.

Action
None.

More Information
Example:

EMCU500I QUERY SAVEDEV
  LCL(UNIT(2301))
EMCU184I Data Devices on 0001971-00060                             API Ver:
  8.00
EMCU061I Device#   Emul   Used   Free  Pool Name    Type  Class  Speed  Prot    A/I  Status
EMCU063I 00000419  3390      0  16695  DF_DDEV_POOL       SATA   10K    RD1      I
EMCU063I 0000041A  3390      0  16695  DF_DDEV_POOL       SATA   10K    RD1      I
EMCU063I 0000041B  3390      0  16695  DF_DDEV_POOL       SATA   10K    RD1      I
...  
EMCU063I 000007FD  FBA       0  14370  DF_DDEV_POOL       SATA   10K   RD5 3+1  I
EMCU063I 000007FE  FBA       0  14370  DF_DDEV_POOL       SATA   10K   RD5 3+1  I
EMCU063I 000007FF  FBA       0  14370  DF_DDEV_POOL       SATA   10K   RD5 3+1  I
EMCU064I

Totals:
EMCU064I     3390:        4635 used tracks,   8342865 free tracks,   0%
EMCU064I     FBA :           0 used tracks,   7170630 free tracks,   0%
EMCU064I     Act :        4635 used tracks,     78840 free tracks,   5%
EMCU629I QUERY SAVEDEV converted to QUERY DATADEV
EMCU001I GPM command complete

EMCU630E

NEWWNAME(new_poolname) parameter required for action but not specified
Cause
A RENAME POOL command was issued, but the NEWNAME parameter was not specified. NEWNAME is a required parameter. Consequently, the command has failed, and return code 8 has been set.

Action
Correct and reissue the command.

EMCU631E

Invalid remote path specified

Cause
A GPM command was issued with the REMOTE parameter, but the specified PATH is invalid. Consequently, the command has failed and return code 8 has been set.

Action
Correct the PATH specification, and reissue the command. PATH must specify a valid hoplist to a remote storage system from the local storage system specified by UNIT.

EMCU632E

No paths to gatekeeper device

Cause
A GPM command was issued, but the gatekeeper device is not accessible. There are no paths to the device. Consequently, the command has failed, and return code 8 has been set.

Action
Correct the no paths condition or select a different gatekeeper device, and reissue the command. Issuing MVS command DS P for the inaccessible device may provide more information.

EMCU633W

SRP parameter not valid with command - ignored

Cause
The SRP parameter is not valid for the specified command and will be ignored.

Action
If necessary, remove the SRP parameter and rerun the command.

EMCU634W

SLO OR WL parameter without SYMSG is invalid - ignored
Cause
Specification of WL (Workload) or SLO (Service Level Objective) on a QUERY THINDEV command without SYMSG is not valid. The WL or SLO argument is ignored.

Action
None, unless specification of SYMSG was intended. If so, correct the command and resubmit.

EMCU636E

SLO parameter not a valid choice

Cause
The value or mask specified for the SLO parameter does not match one of the valid service level choices.

Action
Re-specify using a valid SLO name or mask that finds a valid SLO name. Then rerun the command.

EMCU637E

SYMSG WL invalid for CKD devices

Cause
A GPM command was issued, but workload assignment is not valid for groups containing CKD devices. Consequently, the command has failed, and return code 8 has been set.

Action
None.

EMCU638E

SYMSG SLOs limited for CKD devices

Cause
A GPM command was issued, but an attempt was made to assign an SLO not valid for groups containing CKD devices. Consequently, the command has failed, and return code 8 has been set.

Action
Choose an SLO valid for CKD groups - Optimized, Diamond, or Bronze.

EMCU639E

SLO name does not exist
**EMCU640E**

**New SLO name exists already**

**Cause**
A GPM command was issued, but the RENAME specified a new name that exists already. Consequently, the command has failed, and return code 8 has been set.

**Action**
Use the QUERY SLO command to determine what names exist already and pick a unique name for the RENAME request.

---

**EMCU641E**

**SYMSG size limited to 4096 devices**

**Cause**
Addition of requested devices to a single Symmetrix Storage Group would exceed the maximum of 4096. The request is rejected. Return code 8 has been set.

**Action**
Query the SYMSG to see how many devices it contains already, tailor the list of additional devices accordingly, and reissue the command.

---

**EMCU642E**

**Cannot mix CKD and MFA devices**

**Cause**
An attempt has been made to add CKD devices to an FBA Symmetrix Storage Group, or FBA devices to a CKD group. This is not permitted. The request is rejected. Return code 8 has been set.

**Action**
Make sure the requested devices match the emulation type of the devices currently in the group and reissue the command.

---

**EMCU643E**

**Devices already in SYMSG**
**EMCU644E**

**Devices not in SYMSG**

**Cause**
An attempt has been made to remove one or more devices from a Symmetrix Storage Group that are not in the group. The offending devices are reported. If SKIP is specified, then other devices will be removed from the group. Otherwise, the command will be rejected.

**Action**
If the request was unintended, alter it as desired and reissue the command.

**EMCU700W**

**No thin devices found**

**Cause**
A command was issued with the QUERY action and THINDEV specified. However, among the devices eligible for selection (after possible filtering for pool, emulation, or device range), no thin devices were found. Return code 4 has been set.

**Action**
None required unless this result was unexpected. The return code of 4 may be used in a batch command stream to guide subsequent processing.

**EMCU701W**

**No devices in pool pool-name**

**Cause**
A command was issued with the QUERY/DISPLAY action and an explicit pool name specified via the POOL parameter. However, no devices are in the pool. Return code 4 has been set.

**Action**
None required unless this result was unexpected. The return code of 4 may be used in a batch command stream to guide subsequent processing. If the result was unexpected, however, determine whether an incorrect pool name was specified in the command. If so, reissue the command specifying the correct pool name.
EMCU702W

No pools matching mask xxxxxxxxxxxxx

Cause
A command was issued with the QUERY/DISPLAY action and a pool name mask specified via the POOL keyword parameter. However, no pools with names matching the specified mask were found. Return code 4 has been set.

Action
None required unless this result was unexpected. The return code of 4 may be used in a batch command stream to guide subsequent processing.

EMCU703W

No devices in thin pools matching mask xxxxxxxxxxxxx

Cause
A command was issued with the QUERY action, parameter THINDEV, and the POOL keyword parameter specifying a pool name mask. However, among the devices eligible for selection (after possible filtering for pool, emulation, device range or other criteria), no eligible thin devices were found. Return code 4 has been set.

Action
None required unless this result was unexpected. The return code of 4 may be used in a batch command stream to guide subsequent processing.

EMCU704W

Pool pool-name not found

Cause
A command was issued with the QUERY action, parameter THINDEV, and the POOL keyword parameter specifying an explicit pool name. However, among the devices eligible for selection (after possible filtering for pool, emulation, device range or other criteria), no eligible thin devices were found. Return code 4 has been set.

Action
None required unless this result was unexpected. The return code of 4 may be used in a batch command stream to guide subsequent processing. If the pool name has been specified incorrectly, provide the intended pool name and reissue the command. If the pool name was specified correctly, insure that the location parameters lead to the correct storage system. If the location is remote, be sure that an SRDF group has not been redefined to cause the path to lead to an unwanted storage system. (The CONTROLLER parameter is recommended to help avoid this problem.)
**EMCU705E**

**Pool pool-name not thin**

**Cause**
A command was issued with a QUERY action, parameter THINDEV, DATADEV or ALLOC, and an explicit pool name specified via the POOL keyword parameter. However, the pool specified is not a thin device pool. Consequently, the command has failed. Return code 8 has been set.

**Action**
Determine whether an incorrect pool name was specified in the command, or if the pool type was specified incorrectly when the pool was created. If the pool name was specified incorrectly, reissue the command specifying the correct pool name. If the pool was created incorrectly, it may be appropriate to delete and recreate the pool before reissuing the command.

**EMCU706W**

**No thin pools matching mask**

**Cause**
A command was issued with the QUERY action and THINDEV specified, and the POOL keyword parameter specifying a pool name mask. However, no pools were found whose names matched the specified pool name mask. Return code 4 has been set.

**Action**
None required unless this result was unexpected. This is an informational message. The return code may be used in a batch command stream to guide subsequent processing.

**EMCU707W**

**No pools found**

**Cause**
A command was issued against a pool or pools. However, no pools were found on the storage system. Return code 4 has been set.

**Action**
None required unless this result was unexpected. The return code of 4 may be used in a batch command stream to guide subsequent processing. Insure that the location parameters lead to the correct storage system. If the location is remote, be sure that an SRDF group has not been redefined to cause the path to lead to an unwanted storage system. (The CONTROLLER parameter is recommended to help avoid this problem.)
**EMCU710W**

No devices bound to pool `pool-name`

**Cause**
A command was issued with an action applicable to thin devices bound to a device pool, and a pool name was specified in the command. However, no devices were bound to the pool. Return code 4 has been set.

**Action**
Verify that the correct pool name was specified, and resubmit the command.

**EMCU713E**

Save devices requested but pool `pool-name` a thin pool

**Cause**
A command was issued with a QUERY action specifying save devices and specifying a pool name. However, the pool specified is a thin pool and cannot have associated save devices. Consequently, the command has failed. Return code 8 has been set.

**Action**
Determine whether an incorrect pool name was specified in the command, or if the pool type was specified incorrectly when the pool was created. If the pool name was specified incorrectly, reissue the command specifying the correct pool name. If the pool was created incorrectly, it may be appropriate to delete and recreate the pool before reissuing the command.

**EMCU714W**

No tiers found

**Cause**
A command was issued with the QUERY action, parameter TIERS, and no FAST tiers were found on the storage system to display.

**Action**
Ensure that FAST tiering exists on your system.

**EMCU715W**

No tasks found

**Cause**
A command was issued with the QUERY action, parameter TASKS, and no background tasks were found on the storage system to display.

**Action**
None.
EMCU716E

action-name requested but pool pool-name not a thin pool

Cause
A command was issued specifying an action which is applicable to thin device pools only. However, the pool specified via the POOL parameter was not a thin pool. Consequently, the command has failed. Return code 8 has been set.

Action
Determine whether an incorrect pool name was specified in the command, or if the pool type was specified incorrectly when the pool was created. If the pool name was specified incorrectly, reissue the command specifying the correct pool name. If the pool was created incorrectly, it may be appropriate to delete and recreate the pool before reissuing the command.

EMCU718W

No devices meet selection criteria

Cause
A command was issued with the QUERY action, and no devices were found on the specified storage system that match the selection criteria.

Action
Ensure that the correct storage system was specified on the command and that the storage system contains devices of the requested type (thin devices, data devices, or save devices). Otherwise, broaden your selection criteria, and resubmit the command.

EMCU719W

No eligible devices in specified range

Cause
A pool management request was received, but no devices were found in the specified device range that match the selection criteria.

Action
Ensure that the correct storage system was specified on the command and that the devices specified are of the required type for the command (thin devices, data devices, or save devices). Change your device selection, and resubmit the command.

EMCU721E

Thin provisioning not supported at microcode level level

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**EMCU723E**

Gatekeeper device is not accessible - reason code `reason_code`
(reason_text)

**Cause**
A GPM command was issued, but the gatekeeper device is not accessible. The device was found to be in an invalid state. Consequently, the command has failed, and return code 8 has been set.

**Action**
Correct the state of the device, or select a different gatekeeper device, and reissue the command. Issuing MVS commands DS QD and DS P for the inaccessible device may provide more information as to what is the problem. See below for the possible reason code values.

Reason code values:
- 01 - UCBID specifies a non-standard ID
- 02 - UCFLA specifies an invalid state
- 03 - UCFLB specifies an invalid state
- 04 - UCBMIHTI specifies an invalid state
- 05 - UCBHOTIO specifies an invalid state
- 06 - UCBMIHFG specifies an invalid state
- 07 - UCBMIHFG specifies an invalid state
- 08 - UCBLPM specifies an invalid state

**EMCU810E**

SMSSG, DEV and VOLUMES parameters are mutually exclusive

**Cause**
An attempt was made to specify a combination of an SMS group mask, one or more PowerMax/VMAX device numbers and a set of volume serial numbers. SMS-aligned groups must be entirely based on an SMS group. Volser-defined groups must be entirely based on a set of volsers specified in the VOLUMES parameter.

**Action**
Correct and reissue the command.
**EMCU811E**

Symmetrix Storage Group name is not aligned with SMS group mask

**Cause**
A fully qualified SYMSG name was specified but it does not match any current SMS group name matching the value specified in the SMSSG parameter. Names must be of the form `user_text smsname_SMS`.

**Action**
Correct the SYMSG or SMSSG parameter and reissue the command.

**EMCU812E**

No SMS SG matching mask were found

**Cause**
No SMS Storage group was found to match the name or mask specified.

**Action**
Specify a different SMS group name or mask or/and ensure SMS groups are configured, and reissue the command.

**EMCU813E**

SMSLIST failed

**Cause**
The attempt to access the SMS subsystem to retrieve the current SMS group names failed.

**Action**
Ask your SMS administrator for a list of the valid group names and the state of DFSMS in your system. If you cannot determine and correct the problem, contact Dell EMC Customer Support.

**EMCU814E**

No volumes in SMS groups were found

**Cause**
All specified SMS groups matching the mask were found not to contain any volumes.

**Action**
The discovered SMS groups matching the mask or name in the SMSSG parameter do not contain any volumes. Configure SMS groups to contain volumes or specify a different SMS group name or mask and reissue the command.
EMCU815E

No eligible volumes were found on controller

**Cause**
No volumes in all specified SMS groups matching the mask were found to be accessible.

**Action**
None of the discovered volumes is currently mounted on the storage system associated with the specified gatekeeper. Specify either a different gatekeeper/storage system or a different SMSSG, whichever is intended, and reissue the command.

EMCU816E

LCL(ALL) could be used with SMS aligned or VOLUMES defined SG only

**Cause**
The LCL(ALL) option is valid only for actions on SMS-aligned or volume-defined groups. All other commands operate on one storage system only.

**Action**
correct and reissue the command.

EMCU817E

SMSSG parameter valid only with SYMSG parameter

**Cause**
Operation on SMS-aligned group was requested by the SMSSG parameter but the SYMSG parameter is missing.

**Action**
Reissue the command specifying both parameters.

EMCU818E

SMSSG parameter must be specified for operation on SMS aligned group

**Cause**
GPM groups with the "_SMS" suffix to their names are SMS-aligned groups and are operated on by specifying the SMSSG parameter.

**Action**
Reissue the command specifying the SMSSG parameter.
EMCU819E
LCL(ALL) for this command could be used for SMS aligned groups only

Cause
The LCL(ALL) option for this command is allowed only for actions on SMS-aligned storage groups. The command can be used for other groups with one storage system only.

Action
Specify a name of the SMS-aligned storage group in the SYMSG parameter or specify a gatekeeper in the LCL parameter.

EMCU820E
SMS aligned to SMS aligned group renaming is supported only

Cause
An attempt to change an SMS alignment of a Symmetrix storage group was made by the RENAME SYMSG command, which is not allowed.

Action
Correct and reissue the command.

EMCU821W
Symmetrix Storage group already exists on controller

Cause
The CREATE SYMSG, ADD SYMSG, or REFRESH SYMSG command is attempting to create a SMS-aligned or VOLSER-defined storage group that already exists on the storage system with the indicated serial-number.

Action
Reissue the command specifying a name that is not in use.

EMCU822E
Changing of SMS group by RENAME is not allowed

Cause
An attempt to change an SMS group to which a Symmetrix Storage Group is aligned was made using the RENAME SYMSG command. A part of a new group name describing an SMS group name must be the same as a part of the old group name.

Action
Reissue the command making sure that the new name conforms to the naming rules.
**EMCU823W**

SMS group name is invalid for aligned Symmetrix Storage Group
  `SMS-group-name1, SMS-group-name2...`

**Cause**
A CREATE SYMSG, ADD SYMSG, or REFRESH SYMSG command issued with a mask to select SMS groups has retrieved a group named so that it produces an invalid Symmetrix Storage Group name. Subsequent lines of output list the groups with the invalid names.

**Action**
Modify the mask so that it does not retrieve groups with invalid names.

**EMCU824E**

ReMoTe not valid on command

**Cause**
A CREATE SYMSG, ADD SYMSG, REMOVE SYMSG, or REFRESH SYMSG command was issued with both the SMSSG or VOLUMES and RMT parameters, which is not allowed.

The commands where you have to specify the name of an SMS group and SMS itself is used to figure out which volumes are in the group and then which devices are associated with those volumes, can only be issued locally. Similarly, the commands where you have to specify a volume list in the VOLUMES parameter to figure out which devices are associated with those volumes, can only be issued locally. Consequently, the command has failed, and return code 8 has been set.

**Action**
Correct and reissue the command.

**EMCU900I**

Syntax check successful

**Cause**
A pool or storage group management command was issued with the NOEXEC parm or option specified. The commands provided were syntactically correct. Because NOEXEC was specified, the commands were not executed. Return code 0 is set.

**Action**
None.

**EMCU902E**

Duplicate keyword xxxxxxxx
Cause
During parsing of a pool management command, the keyword parameter indicated was used more than once. This syntax error has resulted in rejection of the command with return code 8.

Action
Correct the error and resubmit the command.

EMCU903E

Extraneous parameter keyword

Cause
During parsing of a pool management command, the parameter keyword was found in a position where the command is complete and no additional parameter is expected. This consistency error has resulted in rejection of the command with return code 8.

Action
Remove the extraneous items and resubmit the command.

EMCU904E

Missing right parenthesis

Cause
During parsing of a pool management command, no right parenthesis was found where one was required. This syntax error has resulted in rejection of the command with return code 8.

Action
Correct the error and resubmit the command.

EMCU905E

Misplaced keyword parameter keyword

Cause
During parsing of a pool management command, the indicated keyword parameter, though valid, was found in a syntactically incorrect position. For example, a valid keyword parameter may have been specified invalidly as a subparameter of another keyword. This syntax error has resulted in rejection of the command with return code 8.

Action
Correct the error and resubmit the command.

EMCU906E

Extra right parenthesis
**Cause**
During parsing of a pool management command string, a right parenthesis was found where not expected, usually after balancing right parentheses have been found corresponding to all preceding left parentheses. This may occur after parsing of the command is deemed complete and no additional parameter is expected. This syntax error has resulted in rejection of the command string with return code 8.

**Action**
Remove the extraneous right parenthesis and resubmit the command.

---

**EMCU907E**

**Action does not use parameter keyword**

**Cause**
During parsing of a pool management command string, the keyword parameter *keyword* was found. However, while the indicated keyword parameter is valid for one or more pool management actions, it is not valid for the action in the current command. This consistency error has resulted in rejection of the command with return code 8.

**Action**
Reformulate and resubmit the command.

---

**EMCU908E**

**POOL not valid with QUERY THINDEV**

**Cause**
During parsing of a QUERY THINDEV pool utility command, the POOL keyword parameter was found. However, POOL is not a valid parameter in this context (although it is valid with QUERY DATADEV and QUERY SAVEDEV). This consistency error has resulted in rejection of the command with return code 12.

**Action**
Remove the POOL parameter or make any other corrections required and resubmit the command.

---

**EMCU909E**

**Unrecognized function action-name**

**Cause**
During parsing of a pool management command, the action indicated was found. However, it is not a supported action. This value error has resulted in rejection of the command with return code 8.

**Action**
Correct and resubmit the command.
**EMCU910E**

STATE parameter value must be ENABLE or DISABLE, found xxxxxxx

**Cause**
A pool management command string including the STATE keyword parameter was received. However, the parameter value was neither ENABLE nor DISABLE. This value error results in rejection of the command with return code 8.

**Action**
Correct the command string and resubmit the command.

---

**EMCU911E**

DEV (device number or range) required for action, not specified

**Cause**
A pool management command was entered. The action specified requires the DEV keyword parameter specifying a device or device range value. However, the DEV parameter was not present. This completeness error results in rejection of the command with return code 8.

**Action**
Include a valid DEV specification and resubmit the command.

---

**EMCU912E**

SYMSG(name) or POOL(name) required for action - not specified

**Cause**
A pool or SYMSG management command was entered. The specified action requires the POOL or SYMSG keyword parameter to be specified. But, neither was present. The command is rejected with return code 8.

**Action**
Include a valid POOL or SYMSG parameter and resubmit the command.

**More Information**
POOL is used with Enginuity 5876 and earlier. SYMSG is used with PowerMaxOS 5978 and HYPERMAX OS 5977.

---

**EMCU913E**

TYPE (pool type) required for CREATE, not specified

**Cause**
A pool management command was entered with the CREATE POOL action, which requires the TYPE keyword parameter specifying a pool type. However, the TYPE
parameter was not present. This completeness error results in rejection of the command with return code 8.

**Action**
Include a TYPE parameter specifying the wanted pool type and resubmit the command.

---

**EMCU914E**

**Invalid pool name pool-name**

**Cause**
A pool management command was entered with a POOL or NEWNAME parameter specifying a pool name. However, the name specified was not a valid pool name. This value error results in rejection of the command with return code 8.

**Action**
Correct the specified pool name and resubmit the command.

---

**EMCU915E**

**CONTROLLER parameter valid only for remote location**

**Cause**
A pool management command with the LCL keyword parameter was received. However, the CONTROLLER keyword parameter, which may appear only as a subparameter of RMT, was specified as a subparameter of LCL. This consistency error results in rejection of the command with return code 8.

**Action**
Either remove the CONTROLLER subparameter or specify location LCL rather than RMT as appropriate. Then resubmit the command.

---

**EMCU916E**

**DEV (device number or range) specified but not allowed for action**

**Cause**
A pool management command was entered. The action specified does not permit specification of a device or device range, but the DEV keyword parameter was found. This consistency error results in rejection of the command with return code 8.

**Action**
Remove the DEV parameter, or make whatever changes are appropriate to the intended action, and resubmit the command.

---

**EMCU918E**

No help available for action-name
**EMCU920E**

**CREATE requires pool type**

**Cause**
A pool management CREATE POOL command was issued, but no pool type was specified. This completeness error results in rejection of the command with return code 8.

**Action**
Insert a pool type specification in the command string as appropriate by means of the TYPE parameter. Then resubmit the command.

---

**EMCU921E**

**Invalid alert threshold value value**

**Cause**
A pool management command was issued for the POOLATTR action, but the indicated value specified by either the CRIT or the WARN keyword parameter is invalid. This value error results in rejection of the command with return code 8.

**Action**
Re-specify the value as required and resubmit the command.

---

**EMCU922E**

**DEV with DISPLAY action only valid with explicit pool**

**Cause**
A pool management command was issued for the DISPLAY action, and a device or device range was specified by means of the DEV keyword parameter. However, either the POOL parameter was omitted or the value was a pool name mask. In either of these cases, the DEV parameter is prohibited. This consistency error results in rejection of the command with return code 8.

**Action**
Reformulate the command as required. Then resubmit the command.
EMCU923E

Maximum of four hops allowed in path to remote Symmetrix

Cause
A pool management command was entered and the RMT keyword parameter with the PATH subparameter was specified. However, the hop list specified by the PATH parameter contained more than four hops, which is the maximum allowed. This value error results in rejection of the command with return code 8.

Action
Re-specify the hop list to include no more than four hops while still reaching the desired storage system, if necessary by specifying a different gatekeeper device. Then resubmit the command.

EMCU924E

Maximum oversubscription ratio cannot be greater than 65534

Cause
A pool management command was issued with the CREATE POOL or POOLATTR action, but the value specified by the MAXOSUB keyword parameter exceeded the maximum value allowed. This value error results in rejection of the command with return code 8.

Action
Re-specify the maximum oversubscription ratio value and resubmit the command.

EMCU925E

Invalid task id value

Cause
A pool management command to display, modify, or cancel a virtual provisioning background task was received. However, the value specified for the background task ID was not a valid task ID number, or was zero. This value error results in rejection of the command with return code 8.

Action
Provide a valid task ID and resubmit the command.

EMCU926E

Cannot specify both CKD and FBA

Cause
A pool management command to display device information or modify device status was received. However, both the FBA and the CKD device filters were specified, and
these are mutually exclusive. This consistency error results in rejection of the command with return code 8.

**Action**
Remove one of the conflicting filters as appropriate and resubmit the command.

---

**EMCU927E**

Default pool invalid for action

**Cause**
A pool management command for a thin device was received, and the required pool keyword parameter was present. However, the pool specified was the default pool, and devices may not be bound to this pool. This value error results in rejection of the command with return code 8.

**Action**
Correct the pool name as appropriate and resubmit the command.

---

**EMCU928E**

QUERY subject not specified

**Cause**
A pool management command was entered with a QUERY action. However, no subject of the QUERY was specified; THINDEV, DATADEV, SAVEDEV, TASK, ALLOC, and TIERS are available. This completeness error results in rejection of the command with return code 8.

**Action**
Specify the subject of the QUERY action and resubmit the command.

---

**EMCU929E**

PATH required for remote location

**Cause**
A pool management command with the RMT keyword parameter was received. However, no PATH subparameter was found that would allow identification of the remote storage system on which the command should be processed. This completeness error results in rejection of the command with return code 8.

**Action**
Provide a path to the remote storage system and resubmit the command.

---

**EMCU930E**

PATH parameter valid only for remote location
Cause
A pool management command with the LCL keyword parameter was received. However, the PATH keyword parameter, which may appear only as a subparameter of RMT, was specified as a subparameter of LCL. This consistency error results in rejection of the command with return code 8.

Action
Either remove the PATH subparameter or specify location LCL rather than RMT as appropriate. Then resubmit the command.

EMCU931E

Symmetrix location parameter (UNIT, VOL or DDNAME) omitted

Cause
During parsing of a pool management command, the command string was found to be missing a specification of the gatekeeper that provides the location of the storage system through which commands will be routed. The gatekeeper may be specified by means of the UNIT, VOL or DDNAME keyword parameters, but none of these keywords was found. This completeness error results in rejection of the command with return code 8.

Action
Provide a location specification in the command and resubmit the command.

EMCU932E

Invalid format for controller serial number

Cause
During parsing of a pool management command, the CONTROLLER subparameter of the RMT keyword parameter was detected. However, the value specified by the CONTROLLER keyword was invalid. This value must be a five digit string (the last five digits of a storage system serial number) optionally preceded by a seven digit string (the first seven digits of a storage system serial number) and a hyphen. This syntax error results in rejection of the command with return code 8.

Action
Provide a valid, correctly formatted storage system serial number, or optionally omit the subparameter entirely. Then resubmit the command.

EMCU933E

Symmetrix location parameters mutually exclusive

Cause
During parsing of a pool management command, the command string was found to include multiple specifications of the gatekeeper device that provides the location of the storage system through which commands will be routed. Only one of the keyword parameters UNIT, VOL, and DDNAME may be specified, but more than one was found. This consistency error results in rejection of the command with return code 8.
EMCU934E

Invalid device number value

Cause
During parsing of a pool management command, the DEV keyword parameter was found. However, the device number specified or one of the devices numbers in the device range specified was not valid. Either an invalid character was present (a device number may contain only hexadecimal characters) or the value specified exceeded the largest allowed (the maximum device number allowed is FFFFFFFF). This value error results in rejection of the command with return code 8.

Action
Correct the device number specification and resubmit the command.

EMCU935E

TYPE must specify SNAPPOOL, THINPOOL or DSEPPOOL, found value

Cause
During parsing of a pool management command with a CREATE POOL action, the TYPE keyword parameter was found. However, the parameter specified a value that was not one of the supported pool types. This value error results in rejection of the command with return code 8.

Action
Correct the invalid pool type and resubmit the command.

EMCU936E

First device number of range exceeds second

Cause
During parsing of a pool management command, the DEV keyword parameter was found, and the value specified was a device range consisting of a pair of device numbers separated by a hyphen. For a device range specification, however, the second device number must be equal to or greater than the first device number. This value error results in rejection of the command with return code 8.

Action
Correct the device range specification and resubmit the command.

EMCU937E

Invalid MVS unit address value
**Cause**
During parsing of a pool management command, the UNIT keyword parameter was found, but the value specified was not a valid MVS cuu, which must be a hexadecimal number not larger than FFFF (and which also must be defined to MVS and known to SCF). This value error results in rejection of the command with return code 8.

**Action**
Correct the unit address specification and resubmit the command.

**EMCU939E**

**Devices not permitted with non-specific pool display.**

**Cause**
You cannot specify devices on the DISPLAY command with no pool specified.

**Action**
Specify the pool or remote device specification from the DISPLAY command.

**EMCU940E**

**SYMSG(symmetrix_storage_group_name) parameter required for action but not specified**

**Cause**
A GPM command was issued that requires the SYMSG parameter, but the SYMSG parameter was not specified. Consequently, the command has failed, and return code 8 has been set.

**Action**
Correct and reissue the command.

**EMCU941E**

**Symmetrix Storage Group with specified name already exists on controller**

**Cause**
A CREATE SYMSG command was issued, but the specified storage group already exists on the storage system. Consequently, the command has failed, and return code 8 has been set.

**Action**
If the storage group name was specified incorrectly, correct and reissue the command. In order to create an SG with the specified name, the existing SG with that name must be deleted using the DELETE SYMSG command. This should only be done if necessary and appropriate.
EMCU942E

SYMSG and POOL parameters are mutually exclusive

Cause
A GPM command was issued with both the SYMSG and POOL parameters, which is not allowed. On action commands, the SYMSG or POOL parameter identifies the object that will be modified, so only one may be specified. Consequently, the command has failed, and return code 8 has been set.

Action
Correct and reissue the command.

EMCU943E

TYPE parameter not valid on SYMSG commands

Cause
A GPM command was issued with both the SYMSG and TYPE parameters, which is not allowed. On action commands, the SYMSG or POOL parameter identifies the object that will be modified. TYPE can only be used in conjunction with the POOL parameter. Consequently, the command has failed, and return code 8 has been set.

Action
Correct and reissue the command.

EMCU944E

MAXOSUB parameter not valid on CREATE SYMSG command

Cause
A CREATE SYMSG command was issued with the MAXOSUB parameter, which is not allowed. On CREATE commands, the SYMSG or POOL parameter identifies the object that will be created. MAXOSUB can only be used in conjunction with the POOL parameter. Consequently, the command has failed, and return code 8 has been set.

Action
Correct and reissue the command.

EMCU945E

DEV parameter not valid on CREATE POOL command

Cause
A CREATE POOL command was issued with the DEV parameter, which is not allowed. On CREATE commands, the SYMSG or POOL parameter identifies the object that will be created. Devices cannot be added to a pool upon creation. Consequently, the command has failed, and return code 8 has been set.
**EMCU946E**

Symmetrix Storage Group with specified name does not exist on controller

**Cause**
A GPM command was issued with the SYMSG parameter, but the specified storage group does not exist on the storage system. Consequently, the command has failed, and return code 8 has been set.

**Action**
Correct and reissue the command. If the storage group name was specified incorrectly, correct and reissue the command. Otherwise, an SG with the specified name must be created using the CREATE SYMSG command.

**EMCU947W**

No Symmetrix Storage Groups found matching <symsg>

**Cause**
A GPM command was issued with the SYMSG parameter, but no storage groups were found matching the specified SG name or mask. Consequently, the command has ended with a warning, and return code 4 has been set.

**Action**
If the storage group name or mask was specified incorrectly, correct and reissue the command. Otherwise, an SG matching the specified name or mask must be created using the CREATE SYMSG command.

**EMCU948W**

No Symmetrix Storage Groups found

**Cause**
A GPM command was issued with the SYMSG parameter, but no storage groups were found on the storage system. Consequently, the command has ended with a warning, and return code 4 has been set.

**Action**
At least storage group must be created using the CREATE SYMSG command.

**EMCU949E**

Symmetrix Storage Group name is invalid (can only include alphanumeric characters, dashes, and underscores)
Cause
A GPM command was issued with the SYMSG parameter, but the specified storage group name is invalid. Consequently, the command has failed, and return code 8 has been set.

Action
Correct the storage group name, and reissue the command. The name can only contain alphanumeric characters, dashes, and underscores. If it includes any dashes, it must be enclosed in apostrophes.

EMCU950E

NEWSGNAME(<new Symmetrix Storage Group name>) parameter required for action but not specified

Cause
A RENAME SYMSG command was issued, but the NEWSGNAME parameter was not specified. NEWSGNAME is a required parameter. Consequently, the command has failed, and return code 8 has been set.

Action
Correct and reissue the command.

EMCU951E

New Symmetrix Storage Group name is invalid (can only include alphanumeric characters, dashes, and underscores)

Cause
A RENAME SYMSG command was issued, but the new storage group name specified via the NEWSGNAME parameter is invalid. Consequently, the command has failed, and return code 8 has been set.

Action
Correct the new storage group name specified via the NEWSGNAME parameter, and reissue the command. The name can only contain alphanumeric characters, dashes, and underscores. If it includes any dashes, it must be enclosed in apostrophes.

EMCU952W

No Storage Resource Pools found matching <srp>

Cause
A GPM command was issued with the SRP parameter, but no storage resource pools were found matching the specified SRP name or mask. Consequently, the command has ended with a warning, and return code 4 has been set.

Action
Correct and reissue the command.
EMCU953W

No Storage Resource Pools found

**Cause**
A GPM command was issued with the SRP parameter, but no storage resource pools were found on the storage system. Consequently, the command has ended with a warning, and return code 4 has been set.

**Action**
Ensure that an SRP is configured on the storage system.

EMCU954W

No Service Level Objectives found matching <slo_name>

**Cause**
A GPM command was issued with the SLO parameter, but no service level objectives were found matching the specified SLO name or mask. Consequently, the command has ended with a warning, and return code 4 has been set.

**Action**
Correct and reissue the command. Issue the QUERY SLO command without the SLO or WORKLOAD filters for a list of all service level objectives supported on the storage system. If the FAST ELM license is not present, only the Optimized SLO may be used. In addition to the FAST license, the SLOs that can be used are restricted depending on the drive types that are present on the storage system, as described in the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide. If the FAST ELM license or required drive types are not present, those SLOs will be excluded from the QUERY SLO display but will be displayed if explicitly requested via the SLO filter.

EMCU955W

No Service Level Objectives found

**Cause**
A GPM command was issued with the SLO parameter, but no service level objectives were found on the storage system. Consequently, the command has ended with a warning, and return code 4 has been set.

**Action**
If the problem persists, contact the Dell EMC Customer Support Center for assistance.

EMCU956W

No Workloads found matching <workload_name>
Cause
A GPM command was issued with the WORKLOAD parameter, but no workloads were
found matching the specified workload name or mask. Consequently, the command
has ended with a warning, and return code 4 has been set.

Action
Correct and reissue the command. Issue the QUERY SLO command without the SLO
or WORKLOAD filters for a list of all SLO/workload combinations supported on the
storage system. If the FAST ELM license is not present, only the Optimized SLO may
be used. In addition to the FAST license, the SLOs that can be used are restricted
depending on the drive types that are present on the storage system, as described in
the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide. If the
FAST ELM license or required drive types are not present, those SLOs will be excluded
from the QUERY SLO display but will be displayed if explicitly requested via the SLO
and/or WORKLOAD filters.

EMCU957E

WORKLOAD is only valid if SLO is specified

Cause
A GPM command was issued, but the WORKLOAD parameter was specified without
the SLO parameter, which is not allowed. WORKLOAD may only be specified in
conjunction with the SLO parameter. Consequently, the command has failed, and
return code 8 has been set.

Action
Correct and reissue the command.

EMCU958W

No disk groups found matching specified query criteria.

Cause
A GPM command was issued with the DISKGRP parameter, but no disk groups were
found matching the specified disk group name or mask or SRP criteria. Consequently,
the command has ended with a warning, and return code 4 has been set.

Action
Correct and reissue the command.

EMCU959W

No disk groups found

Cause
A GPM command was issued with the DISKGRP parameter, but no disk groups were
found on the storage system. Consequently, the command has ended with a warning,
and return code 4 has been set.

Action
Ensure disk groups are configured on the storage system.
EMCU960E

Devices are already in a FAST-managed Symmetrix Storage Group

**Cause**
An ADD SYMSG command or CREATE SYMSG command with the DEV parameter was issued which would add devices to a FAST-managed storage group, but one or more devices are already in a FAST-managed SG. A device cannot be in more than one FAST-managed SG at any given time. An SG is FAST-managed if it is explicitly associated with an SRP and/or SLO. Consequently, the command has failed, and return code 8 has been set.

**Action**
If the requested device numbers were specified incorrectly, correct and reissue the command. Otherwise, the requested devices must be removed from the FAST-managed SG where they are currently included before then can be added to another FAST-managed SG. The QUERY SYMSG command with the DEV filter can be used to see which storage groups contain those devices. An SG is FAST-managed if it is explicitly associated with an SRP and/or SLO.

EMCU961E

SRP(srpn_name) parameter required for action but not specified

**Cause**
A GPM command was issued that requires the SRP parameter, but the SRP parameter was not specified. Consequently, the command has failed, and return code 8 has been set.

**Action**
Correct and reissue the command.

EMCU962E

DSE_MAX_CAP cannot be greater than 100000

**Cause**
A GPM command was issued with the DSE_MAX_CAP parameter, but the specified value is out of range. The maximum SRDF/A DSE capacity cannot be greater than 100,000 GB. Consequently, the command has failed, and return code 8 has been set.

**Action**
Correct the value of DSE_MAX_CAP, and reissue the command. The maximum SRDF/A DSE capacity cannot be greater than 100,000 GB.

EMCU963E

RESV_CAP cannot be greater than 80
**EMCU964E**

**Cause**
A GPM command was issued with the RESV_CAP parameter, but the specified value is out of range. The reserved capacity cannot be greater than 80%. Consequently, the command has failed, and return code 8 has been set.

**Action**
Correct the value of RESV_CAP, and reissue the command. The reserved capacity cannot be greater than 80%.

**EMCU965E**

**Cause**
A SET SYMSG command was issued with the DSE_MAX_CAP parameter, which is not allowed. On SET commands, the SYMSG or SRP parameter identifies the object whose attributes will be set. Maximum SRDF/A DSE capacity only applies to SRPs. Consequently, the command has failed, and return code 8 has been set.

**Action**
Correct and reissue the command.

**EMCU966E**

**Cause**
A SET SYMSG command was issued with the RESV_CAP parameter, which is not allowed. On SET commands, the SYMSG or SRP parameter identifies the object whose attributes will be set. Reserved capacity only applies to SRPs. Consequently, the command has failed, and return code 8 has been set.

**Action**
Correct and reissue the command.

**EMCU966E**

**Cause**
A SET SYMSG command was issued with the RDFA_DSE parameter, which is not allowed. On SET commands, the SYMSG or SRP parameter identifies the object whose attributes will be set. The RDFA_DSE parameter only applies to SRPs. Consequently, the command has failed, and return code 8 has been set.

**Action**
Correct and reissue the command.
EMCU967E

RDFCOORDINATION parameter not valid on SET SRP command

Cause
A SET SRP command was issued with the RDFCOORDINATION parameter, which is not allowed. On SET commands, the SRP or SYMSG parameter identifies the object whose attributes will be set. SRDF coordination only applies to SGs. Consequently, the command has failed, and return code 8 has been set.

Action
Correct and reissue the command.

EMCU968E

SLO parameter not valid on SET SRP command

Cause
A SET SRP command was issued with the SLO parameter, which is not allowed. On SET commands, the SRP or SYMSG parameter identifies the object whose attributes will be set. The SLO parameter only applies to SGs. Consequently, the command has failed, and return code 8 has been set.

Action
Correct and reissue the command.

EMCU969E

WORKLOAD parameter not valid on SET SRP command

Cause
A SET SRP command was issued with the WORKLOAD parameter, which is not allowed. On SET commands, the SRP or SYMSG parameter identifies the object whose attributes will be set. The WORKLOAD parameter only applies to SGs. Consequently, the command has failed, and return code 8 has been set.

Action
Correct and reissue the command.

EMCU970E

RDF/A DSE cannot be disabled for the specified SRP as it is the only SRP on the Symmetrix

Cause
A SET SRP command was issued with the RDFA_DSE(DISABLE) parameter, but the specified SRP is the only SRP on the storage system. There must be one SRP with SRDF/A DSE enabled at all times. Consequently, the command has failed, and return code 8 has been set.
Action
Correct and reissue the command.

EMCU971W

RDF/A DSE is not enabled for the specified SRP

Cause
A SET SRP command was issued with the RDFA_DSE(DISABLE) parameter, but SRDF/A DSE is not enabled for the specified SRP. Consequently, the command has ended with a warning, and return code 4 has been set.

Action
Correct and reissue the command.

EMCU972I

RDF/A DSE will be enabled for SRP nnnnnnnn as one SRP must be enabled at all times

Cause
A SET SRP command was issued with the RDFA_DSE(DISABLE) parameter. As a result, SRDF/A DSE was enabled for the indicated SRP, as there must be one SRP with SRDF/A DSE enabled at all times.

Action
If no action is taken, the indicated SRP will be used for SRDF/A DSE. To use a different SRP, issue the SET SRP command with RDFA_DSE(ENABLE) parameter for that SRP.

EMCU973I

RDF/A DSE will be disabled for SRP <srp_name> as only one SRP can have RDF/A DSE enabled

Cause
A SET SRP command was issued with the RDFA_DSE(ENABLE) parameter. As a result, SRDF/A DSE was disabled for the SRP indicated in the message, as there can only be one SRP with SRDF/A DSE enabled at any given time.

Action
None.

EMCU974E

A FAST-managed Symmetrix Storage Group cannot contain devices of mixed emulation types (i.e., both CKD and FBA)
Cause
An ADD SYMSG or CREATE SYMSG command was issued which would add devices to a FAST-managed storage group, or a SET SYMSG command was issued which would make an SG FAST-managed that was previously not FAST-managed. However, the command would result in devices of mixed emulation type in the same FAST-managed SG, which is not allowed. A FAST-managed SG can contain only CKD devices or only FBA devices but not both. An SG is FAST-managed if it is explicitly associated with an SRP and/or SLO. Consequently, the command has failed, and return code 8 has been set.

Action
If the requested device numbers were specified incorrectly, correct and reissue the command. Otherwise, separate storage groups must be created for CKD and FBA if the SGs will be FAST-managed. An SG is FAST-managed if it is explicitly associated with an SRP and/or SLO. The QUERY THINDEV command with the DEV filter can be used to see the emulation type of the requested devices.

EMCU975E

Encapsulated devices are not allowed in a FAST-managed Symmetrix Storage Group

Cause
An ADD SYMSG or CREATE SYMSG command was issued which would add devices to a FAST-managed storage group, or a SET SYMSG command was issued which would make an SG FAST-managed that was previously not FAST-managed. However, the command would result in encapsulated devices in a FAST-managed SG, which is not allowed. A FAST-managed SG cannot contain encapsulated devices. An SG is FAST-managed if it is explicitly associated with an SRP and/or SLO. Consequently, the command has failed, and return code 8 has been set.

Action
Correct and reissue the command. A storage group cannot contain encapsulated devices if the SG will be FAST-managed. An SG is FAST-managed if it is explicitly associated with an SRP and/or SLO.

EMCU976E

Storage Resource Pool <srp_name> not found

Cause
A GPM command was issued with the SRP parameter, but a storage resource pool with the specified name could not be found on the storage system. Consequently, the command has failed, and return code 8 has been set.

Action
Correct the SRP name, and reissue the command. The QUERY SRP command can be used to display all of the storage resource pools on the storage system.
EMCU977E

Service Level Objective <slo_name> not found

Cause
A GPM command was issued with the SLO parameter, but a service level objective with the specified name could not be found on the storage system. Consequently, the command has failed, and return code 8 has been set.

Action
Correct the SLO name, and reissue the command. The QUERY SLO command can be used to display all of the service level objectives on the storage system.

EMCU978E

SLO <slo_name> Workload <workload_name> combination not found

Cause
A GPM command was issued with the SLO and WORKLOAD parameters, but the specified SLO/workload combination could not be found on the storage system. Consequently, the command has failed, and return code 8 has been set.

Action
Correct the SLO and/or workload name, and reissue the command. The QUERY SLO command can be used to display all of the SLO/workload combinations available on the storage system.

EMCU979W

No SLO/Workload combinations found matching SLO <slo_name> Workload <workload_name>

Cause
A GPM command was issued with the SLO and WORKLOAD parameters, but no SLO/workload combinations were found matching the specified SLO name or mask and the specified workload name or mask. Consequently, the command has ended with a warning, and return code 4 has been set.

Action
Correct and reissue the command. Issue the QUERY SLO command without the SLO or WORKLOAD filters for a list of all SLO/workload combinations supported on the storage system. If the FAST ELM license is not present, only the Optimized SLO may be used. In addition to the FAST license, the SLOs that can be used are restricted depending on the drive types that are present on the storage system, as described in the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide. If the FAST ELM license or required drive types are not present, those SLOs will be excluded from the QUERY SLO display but will be displayed if explicitly requested via the SLO and/or WORKLOAD filters.
EMCU980E

No attributes to set specified on SET SYMSG command

Cause
A SET SYMSG command was issued, but no attributes to be set were specified (e.g., SRP, SLO, WORKLOAD, RDFCOORDINATION). At least one attribute to set is required. Consequently, the command has failed, and return code 8 has been set.

Action
Correct and reissue the command, specifying at least one attribute to be set (e.g., SRP, SLO, WORKLOAD, RDFCOORDINATION).

EMCU981E

No attributes to set specified on SET SRP command

Cause
A SET SRP command was issued, but no attributes to be set were specified (e.g., RDFA_DSE, DSE_MAX_CAP, RESV_CAP). At least one attribute to set is required. Consequently, the command has failed, and return code 8 has been set.

Action
Correct and reissue the command, specifying at least one attribute to be set (e.g., RDFA_DSE, DSE_MAX_CAP, RESV_CAP).

EMCU982E

No valid object specified on command

Cause
A command was issued, but a valid object was not specified (e.g., SYMSG, SRP). The SYMSG or SRP parameter identifies the object whose attributes will be set. Consequently, the command has failed, and return code 8 has been set.

Action
Correct and reissue the command, specifying a valid object whose attributes should be set (e.g., SYMSG, SRP).

EMCU983E

Specified Service Level Objective not available as FAST ELM feature not found

Cause
A GPM command was issued with the SLO parameter, but the specified service level objective is not supported on the storage system as the FAST ELM license is not present. Consequently, the command has failed, and return code 8 has been set.
Correct and reissue the command, specifying an SLO that is supported on the storage system. Issue the QUERY SLO command without the SLO or WORKLOAD filters for a list of all service level objectives supported on the storage system. If the FAST ELM license is not present, only the Optimized SLO may be used. In addition to the FAST license, the SLOs that can be used are restricted depending on the drive types that are present on the storage system, as described in the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide. If the FAST ELM license or required drive types are not present, those SLOs will be excluded from the QUERY SLO display but will be displayed if explicitly requested via the SLO filter.

EMCU984E

Specified Service Level Objective not available as drive types required for that SLO are not present

Cause
A GPM command was issued with the SLO parameter, but the specified service level objective is not supported on the storage system as the drive types required for that SLO are not present. Consequently, the command has failed, and return code 8 has been set.

Action
Correct and reissue the command, specifying an SLO that is supported on the storage system. Issue the QUERY SLO command without the SLO or WORKLOAD filters for a list of all service level objectives supported on the storage system. The SLOs that can be used are restricted depending on the drive types that are present on the storage system, as described in the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide. In addition to the required drive types, if the FAST ELM license is not present, only the Optimized SLO may be used. If the required drive types or FAST ELM license are not present, those SLOs will be excluded from the QUERY SLO display but will be displayed if explicitly requested via the SLO filter.

EMCU985I

Sampling performance data for <sample_time> seconds

Cause
A QUERY command was issued with the STATS parameter. This optional parameter causes performance statistics to be calculated and included in the display. Performance data is collected for the duration specified by sample_time. Once the sampling is complete, the report is displayed.

Action
None.

EMCU986E

POOL parameter not supported on command for microcode level 5x77 and above
**Cause**
A GPM command was issued with the POOL parameter, but the operating environment level is 5977 or later. On this particular command, the POOL parameter is only supported for Enginuity 5876 or earlier.

**Action**
Remove the POOL parameter and reissue the command.

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**EMCU987I**

TYPE parameter will be ignored, as it is not supported on the specified command

**Cause**
A GPM command was issued with the TYPE parameter, which is not supported on the specified command. The TYPE parameter is accepted for legacy compatibility only and has no affect on the command.

**Action**
None.

---

**EMCU988E**

SYMSG(*symsg_name) parameter not valid on command

**Cause**
A GPM command was issued with the SYMSG parameter, but SYMSG is not valid on the specified command. Consequently, the command has failed, and return code 8 has been set.

**Action**
Correct and reissue the command. Refer to the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide for the command syntax.

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**EMCU990W**

Attempt to obtain Storage Resource Pool information from GPM API failed with RC nn

**Cause**
A GPM command was issued that required access to SRP information, but GPM could not retrieve that information from the storage system. This is a transient internal error.

**Action**
Reissue the command. If this message appears frequently, contact the Dell EMC Customer Support Center.
EMCU992E

SLONAME(slo_name) required for action but not specified

Cause
An attempt has been made to rename a Service Level Objective. However, the current name of the SLO has not been specified. Therefore, the command has ended with an error, and return code 8 has been set.

Action
Specify the current name using the SLO parameter and reissue the command.

EMCU993E

NEWSLONAME(new_slo_name) required for action but not specified

Cause
An attempt has been made to rename a Service Level Objective. However, the new name of the SLO has not been specified. Therefore, the command has ended with an error, and return code 8 has been set.

Action
Specify the new name using the NEWSLONAME parameter and reissue the command.

EMCU994I

SRP not specified on CREATE SYMSG, set to default of defaultsrp

Cause
The SRP parameter was not specified on a CREATE SYMSG statement and the default SRP named defaultsrp will be used.

Action
None required unless the SRP parameter was erroneously omitted, informational message only.

FBAU000I

DEVICE xxx, UCBADDR yyyyzzzz, UCBPRFX aaabbbcc

Cause
Parameters are being processed.

Action
None.
FBAU001E

DEVICE FAILED UCB CHECKS, RC = RSN=

**Cause**
UCB validation failed.

**Action**
Check the device parameters, correct, and resubmit.

FBAU002I

CNTLTYPE, MCLEVEL, PATCH LEVEL, SYMDEV#, PIM xxx

**Cause**
Validation of the storage system failed. Checking for shared device and mixed FBA/CKD.

**Action**
Correct the parameters and resubmit.

FBAU003I

DEVICE CONFIGURED CORRECTLY

**Cause**
Device is accessible and configured correctly.

**Action**
None.

FBAU003W

DEVICE CONFIGURED CORRECTLY

**Cause**
The device is accessible and configured correctly.

**Action**
None.

FBAU004E

UCBID FAILED VALIDATION

**Cause**
The path is not valid for the device.
Action
Correct the parameters or bring the path online and resubmit.

FBAU005E

DEVICE HAS NO ASSOCIATED SUBCHANNEL

Cause
Cannot connect using subchannel.

Action
Correct the parameters or bring the path online and resubmit.

FBAU006I

LPM EMCONFIG_GLOBALFIND_DISK

Cause
This is an informational message.

Action
None.

FBAU007E

DEVICE IS NOT A SYMMETRIX CONTROLLER

Cause
The device is not a Dell EMC storage system.

Action
Correct the device and resubmit.

FBAU008E

MICROCODE LEVEL IS NOT SUPPORTED

Cause
Operating environment levels prior to Enginuity 5056 are not supported.

Action
Correct the device and resubmit.

FBAU009E

MICROCODE NOT AT CORRECT LEVEL
Cause
The storage system runs Enginuity 5056 and is not at the correct operating environment level.

Action
Correct the device and resubmit.

FBAU011E

SPECIFIED DEVICE IS NOT FBA

Cause
The selected device is not an FBA device.

Action
Correct the device and resubmit.

FBAU012E

SPECIFIED DEVICE IS FBA BUT IS NOT SHARED

Cause
The device is not configured as shared.

Action
Configure the device as shared or select a new device and resubmit.

FBAU013E

CHAIN E4/64/FA/54 FAILED RC = VERIFYFIXUCB

Cause
The CCW test failed; cannot access the device from the host.

Action
Select another device and resubmit.

FBAU014E

DATA BAD SNSID, ID=NO

Cause
The CCW test failed; cannot access the device from the host.

Action
Select another device and resubmit.
FBAU015E

64 DATA BAD RDC, ID=NO

Cause
The CCW test failed; cannot access the device from the host.

Action
Select another device and resubmit.

FBAU016E

FA DATA BAD RCD, L=32, ID=NO

Cause
The CCW test failed; cannot access the device from the host.

Action
Select another device and resubmit.

FBAU017E

CHAIN AF FAILED

Cause
The devices are not ready and bad sense data is being returned. The device is unusable.

Action
Select another device and resubmit.

FBAU017W

CHAIN AF FAILED

Cause
The devices are not ready but are able to be used.

Action
None.

FBAU018E

BAD PARM FIELD RC =

Cause
Parameter validation failed.
Action
Correct the parameters and resubmit.

FBAU019I

FLA ',SAVEFLA,' WAS CHANGED TO ',

Cause
This is an informational message indicating that the device is configured correctly.

Action
None.

FBAU020I

FLB ',SAVEFLB,' WAS CHANGED TO ',

Cause
This is an informational message indicating that the device is configured correctly.

Action
None.

FBAU021E

INCORRECT UCBSIDA IN UPFX'

Cause
The subchannel is connected but unable to use the prefix.

Action
Select another device and resubmit.

FBAU022E

FC01 R15 ',SAIR15,

Cause
Internal SAI call; unable to contact the device.

Action
Select another device and resubmit.

FBAU023E

CNFG GLOBAL R15 ',SAIR15,
**Cause**
An internal config global call failed using EMCSAI.

**Action**
Select another device and resubmit.

**FBAU024E**

SYMDEVICE R15 ',SAIR15,

**Cause**
A config global call failed using EMCSAI.

**Action**
Select another device and resubmit.

**FBAU025I**

STSCH 1 CC='',CC,ID=NO

**Cause**
This is an informational message indicating that the status is good.

**Action**
None.

**FBAU026I**

MSCH CC='',CC,ID=NO

**Cause**
This is an informational message indicating that the status is good.

**Action**
None.

**FBAU027I**

STSCH 2 CC='',CC,ID=NO

**Cause**
This is an informational message indicating that the status is good.

**Action**
None.
FBAU028W

SCHIB UPDATE FAILED

Cause
An internal update to SCHIB failed.

Action
Select another device and resubmit.

FBAU029I

SCHIB(0-F) BEFORE = ',M1_SCH,T=*,ID=NO

Cause
This is an informational message.

Action
None.

FBAU030I

SCHIB(0-F) UPDATE = ',M2_SCH,T=*,ID=NO

Cause
This is an informational message.

Action
None.

FBAU031I

SCHIB UPDATE VERIFIED

Cause
This is an informational message.

Action
None.

FBAU032I

SCHIB(0-F) AFTER = ',M2_SCH,T=*,ID=NO

Cause
This is an informational message.
FBAU033E

SYMMETRIX CONTROL FACILITY IS NOT AVAILABLE

Cause
SCF is not active.

Action
Start SCF and resubmit.

FBAU034W

DEVICE IS NOT READY

Cause
This message follows message FBAU017W.

Action
None.

MRD0001E

The FC01 SAI call failed

Cause
The call to SCF has failed for an unknown reason.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

MRD0002E

The device specified is not an EMC device

Cause
The specified device is probably not a Dell EMC device.

Action
Verify that you are running QOS on a Dell EMC device.
**MRD0003E**

The Enginuity level is invalid

**Cause**
The storage system you issued the command was found to have an operating environment level too low to use the Mixed Mode SRDF features.

**Action**
Contact the Dell EMC Customer Support Center to update your operating environment if required.

**MRD0004E**

CPU weights must add up to 100

**Cause**
The SYNC, ASYNC, and COPIES CPU percentage (weight) values must have a combined value of 100, and none of the values can be 0.

**Action**
Change the CPU distribution ratio among workload classes.

**MRD0005E**

The device type is not supported. Must be 3990, 3880, 2105, or 2107

**Cause**
The device type is not currently supported.

**Action**
Be sure QOS runs against one of the supported device types: 3990, 3880, 2105, or 2107.

**MRD0006E**

Invalid CUU entered

**Cause**
An invalid MVS device has been specified in a command.

**Action**
Correct the invalid CUU number in the command.
MRD0007E

No records returned from syscall

Cause
The syscall to retrieve display data completed successfully, but it did not return any records.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

MRD0008E

Error freeing storage

Cause
QOS could not free the storage it allocated to process the job.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

MRD0010E

A Bad command was encountered

Cause
The command parser could not recognize the command that was entered.

Action
Verify the entered command uses the correct syntax,

MRD0011E

The FC17 SAI call failed

Cause
The call to SCF has failed for an unknown reason.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
MRD0012E

Specified RA director does not exist

**Cause**
A command was entered specifying a director number. However, the requested director could not be found on the storage system to which the command was directed. Consequently, the action has failed.

**Action**
Reissue the command specifying the correct director number.

MRD0013E

**message_text**

**Cause**
This message is issued when a syscall error has occurred. The text returned by this message describes the syscall error condition in further detail.

**Action**
Correct the error condition indicated by the message text. If you cannot correct this condition, or if you need additional help, contact Dell EMC Customer Support for guidance.

QOC0001E

Default group ID of 0 cannot be used

**Cause**
When adding a group, ID(0) was specified.

**Action**
Specify a value of 1-8.

QOC0002E

Cannot allocate more than maximum allowed

**Cause**
The MAXCACHE value is more than allowed.

**Action**
Correct the specified value.
QOC0003E

Cannot allocate less than minimum allowed

Cause
The MINCACHE value is less than allowed.

Action
Correct the specified value.

QOC0004E

Group name already exists

Cause
The group name is already in use.

Action
Specify a different group name.

QOC0005E

Number of devices cannot be zero

Cause
A request was made specifying 0 devices.

Action
Correct the specified value.

QOC0007E

Group ID already exists

Cause
The group ID is already in use.

Action
Specify a different group ID.

QOC0008E

Maximum number of groups already defined

Cause
The add group request exceeds the maximum allowed groups.
Action
Delete an existing group and try the add group request again.

**QOC0009E**

Default group below minimum allowed

**Cause**
The TARGET value for default group 0 would be below the minimum (10%) allowed.

**Action**
correct the request and specify a valid value.

**QOC0010E**

Illegal group id

**Cause**
The group ID is invalid.

**Action**
Specify a valid group ID.

**QOC0011E**

Write pending more than maximum allowed

**Cause**
The WP parameter is invalid.

**Action**
correct the specified value.

**QOC0012E**

Write pending less than minimum allowed

**Cause**
The WP parameter is invalid.

**Action**
correct the specified value.

**QOC0013E**

Minimum allocation more than target allocation
Cause
The MINCACHE value cannot be more than the TCACHE value.

Action
Correct the specified values.

QOC0014E

Maximum allocation less than target allocation

Cause
The MAXCACHE value cannot be less than the TCACHE value.

Action
Correct the specified value.

QOC0015E

Group id bigger than maximum allowed

Cause
The group ID is greater than the maximum allowed.

Action
Correct the specified value.

QOC0017E

Powervault device in range

Cause
A Powervault device was included.

Action
Remove the invalid device from the range.

QOC0018E

VCM device in range

Cause
A virtual device was included.

Action
Remove the invalid device from the range.
QOC0019E

Gatekeeper device in range

Cause
A designated gatekeeper was included.

Action
Remove the invalid device from the range.

QOC0020E

META device in range

Cause
A meta device was included.

Action
Remove the invalid device from the range. If you want to move or add a meta device, use the TYPE option.

QOC0021E

Device range beyond last system device

Cause
A device in the range exceeded the number of devices in the storage system.

Action
Correct the specified value.

QOC0022E

RDF device in range

Cause
The device ranges includes an SRDF/A device.

Action
SRDF/A devices can only be added or moved using the RDFG option. Use the RDFG option to move the whole group.

QOC0023E

Striped CKD device in range
**Cause**
The device range includes a striped CKD device.

**Action**
Remove the device from the range. Use the SCKD option to add or move this type of device.

---

**QOC0024E**

**RDF group does not exist**

**Cause**
The SRDF group does not exist.

**Action**
Specify a valid group.

---

**QOC0025E**

**Number of devices must be zero**

**Cause**
For this request you must specify 0.

**Action**
Correct the specified value.

---

**QOC0026E**

**Illegal RDF group**

**Cause**
An invalid SRDF group ID was specified.

**Action**
Correct the specified value.

---

**QOC0027E**

**Start device not a META head**

**Cause**
META head not specified.

**Action**
Specify the META head device.
QOC0028E

Number of devices must be zero

Cause
For this request you must specify 0.

Action
Correct the specified value.

QOC0029E

Device is not a striped CKD

Cause
A striped CKD device was not specified.

Action
Correct the specified value.

QOC0030E

Number of devices must be zero

Cause
For this request you must specify 0.

Action
Correct the specified value.

QOC0031E

RDF group is empty

Cause
The group does not contain any devices.

Action
Check to be sure you have specified the proper group.

QOC0032E

Cannot delete the DEFAULT group

Cause
The DEFAULT_PARTITION cannot be deleted.
Action
Correct the specified value.

QOC0033E

Group does not exist

Cause
The partition group does not exist.

Action
Correct the specified value.

QOC0034E

Invalid group id

Cause
During global memory compare, a mismatch was found between group IDs.

Action
If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

QOC0035E

Invalid allocation percentage

Cause
During global memory compare, a mismatch was detected in cache allocation, minimum, or maximum percentage for a group.

Action
If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

QOC0038E

Invalid slots per extent

Cause
During global memory compare, a mismatch in minimum or maximum slots per extent was detected.

Action
If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.
QOC0039E

Invalid donation age

**Cause**
During global memory compare, a mismatch in donation age was detected.

**Action**
If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

QOC0040E

Invalid write pending limit

**Cause**
During global memory compare, a mismatch in write pending limit was detected.

**Action**
If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

QOC0041E

Invalid destage priority

**Cause**
During global memory compare, a mismatch in destage priority was detected.

**Action**
If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

QOC0042E

Invalid device count

**Cause**
During global memory compare, a mismatch in device count was detected.

**Action**
If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.
QOC0048E

Undefined Group

**Cause**
The partition group does not exist.

**Action**
correct the specified values.

QOC0049E

Default group below minimum allowed

**Cause**
The MINCACHE value specified is below the minimum allowed.

**Action**
correct the specified value.

QOC0050E

Unknown Option

**Cause**
an unknown option was specified.

**Action**
correct the specified value.

QOC0051E

Cannot change default group name

**Cause**
The default group name cannot be changed.

**Action**
correct the specified value.

QOC0052E

Cannot change default group allocation

**Cause**
The default group cannot be modified.
QOC0053E

Invalid DSTAGE priority

Cause
The specified value is invalid.

Action
Correct the specified value.

QOC0054E

Invalid default group

Cause
During the validation process, the default group was found to have an invalid configuration.

Action
If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

QOC0055E

Invalid cache partition id

Cause
During the validation process, a group was found with an invalid group ID.

Action
If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

QOC0056E

Duplicate cache partition id

Cause
During the validation process, duplicate group IDs were found.

Action
If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.
QOC0057E

Invalid cache allocation

Cause
During the validation process, the minimum, target, and maximum cache allocation for a group are not specified according to the min <= target <= max rule.

Action
If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

QOC0058E

Invalid number of slots per extent

Cause
During the validation process, the number of slots per extent was found to be invalid.

Action
If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

QOC0059E

Invalid total cache allocation

Cause
During the validation process, the total allocation for all configured groups was found to be not equal to 100%.

Action
If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

QOC0060E

Invalid SR DFA configuration

Cause
During the validation process, SRDF/A devices were found to be spanning groups.

Action
Be sure all the SRDF/A devices are in the same group.
QOC0061E
Invalid spillover device

**Cause**
During the validation process, the Delta Set Extension feature (spillover) was found to be active.

**Action**
Delta Set Extension and DCP cannot be active at the same time.

QOC0062E
XRC partition not defined

**Cause**
The XRC partition is not defined.

**Action**
Define an XRC partition.

QOC0064E
Cache partition group does not exist

**Cause**
The partition group ID does not exist.

**Action**
correct the specified value.

QOC0065E
Number of devices greater than maximum allowed

**Cause**
The number of devices exceeded the maximum allowed.

**Action**
Decrease the amount of devices in the request.

QOC0066E
Invalid type specified

**Cause**
The TYPE parameter is invalid.
**QOC0068E**

**XRC partition not defined**

**Cause**  
The XRC partition is not defined.

**Action**  
Define an XRC partition.

**QOC0069E**

**XRC partition has a non zero device count**

**Cause**  
The XRC partition has a non-zero device count.

**Action**  
The XRC partition cannot have devices. Define a different XRC partition or move the devices.

**QOC0070E**

**XRC partition configuration error**

**Cause**  
An XRC partition configuration error has occurred.

**Action**  
Redefine the XRC partition.

**QOC0071E**

**XRC partition already defined**

**Cause**  
The XRC partition is already defined.

**Action**  
Only one XRC partition can be defined.

**QOC0072E**

**XRC cannot use the default partition**
Cause
XRC cannot use the default partition.

Action
Choose another partition for the XRC partition.

QOC0073E

XRC is active

Cause
XRC is active.

Action
Disable the XRC partition.

QOC0078E

Cannot delete an active XRC partition

Cause
The active XRC partition cannot be deleted.

Action
You must disable the XRC partition before it can be deleted.

QOC0080E

Not all devices are in the special range

Cause
Validation failed, some devices for a special range (META, RDFG, SCKD) are missing.

Action
Verify that all special ranges include all devices.

QOC0088E

Illegal option

Cause
An invalid option was specified.

Action
Remove the invalid option.
QOC0096E
Invalid Cache Partitioning setup

Cause
Validation failed, there is an invalid setup.

Action
Be sure that all partitions contain valid devices. SRDF/A groups cannot span multiple partitions.

QOC0101E
Cache scan failure

Cause
When adding a cache group the scan failed.

Action
Check the group add parameters.

QOC0102E
Insufficient cache allocation

Cause
One or more cache partitions would have an insufficient allocation.

Action
Check all partition allocations and modify cache allocation as needed.

QOC0103E
Unacceptable write pending delay

Cause
This configuration would cause unacceptable write pending delays.

Action
Check all partition allocates and correct.

QOC0104E
Perma Cache count greater than 50% of the cache allocation

Cause
The Perma Cache count is greater than 50% of the cache allocation.
Action
Alter the partition definitions.

QOC0112E
Configuration change not allowed

Cause
A configuration change is not allowed.

Action
Check the configuration.

QOC0113E
Directors were found that are not ready

Cause
Some directors are not ready because they are already processing a command.

Action
Try the command again.

QOC0114E
The director bitmask could not be set

Cause
The internal bitmask could not be set.

Action
Try the command again.

QOC0115E
Could not unconditionally set director bitmask

Cause
The internal bitmask could not be set.

Action
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.
**QOC0116E**

Invalid group id

**Cause**
The group ID is invalid.

**Action**
Specify a valid group ID.

---

**QOC0117E**

Group not defined

**Cause**
The specified group does not exist.

**Action**
Correct the specified value.

---

**QOC0118E**

Not initialized

**Cause**
The DCP environment is not initialized.

**Action**
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

---

**QOC0119E**

Invalid runtime parameter

**Cause**
One of the DCP runtime parameters is invalid.

**Action**
Check the DCP configuration.

---

**QOC0120E**

Invalid runtime parameter value
Cause
One of the DCP runtime parameter values is invalid.

Action
Check the DCP configuration.

QOC0121E
Invalid minimum allocation for analysis only mode

Cause
Invalid minimum allocation for analysis-only mode.

Action
Use a proper value for analysis mode.

QOC0122E
Invalid maximum allocation for analysis only mode

Cause
Invalid maximum allocation for analysis-only mode.

Action
Use a proper value for analysis mode.

QOC0123E
Invalid donation age for analysis only mode

Cause
Invalid donation age for analysis-only mode.

Action
Use a proper value for analysis mode.

QOC0124E
Cache Partitioning is disabled for analysis mode

Cause
Cache Partitioning is disabled for analysis mode.

Action
DCP must be enabled for analysis mode.
QOC0125E

Unknown run time parameter

Cause
Unknown run time parameter.

Action
Check and correct any invalid values.

QOO0001E

Record limit of 256 bytes exceeded

Cause
The input records exceeded the buffer area.

Action
Decrease the amount of devices.

QOO0002E

Device greater than last device in control unit

Cause
A device that does not exist on the storage system was requested.

Action
Correct the specified value.

QOO0003E

The specified LRU is not configured

Cause
The LRU does not exist.

Action
Correct the specified value.

QOO0004E

A device mask of 0 is invalid

Cause
The device mask is invalid.
**QOO0005E**

### Illegal cache service request

**Cause**
The specified service is not valid.

**Action**
Correct the specified value.

---

**QOO0006E**

### Illegal priority specified

**Cause**
The specified priority is not valid.

**Action**
Correct the specified value.

---

**QOO0007E**

### Illegal opcode

**Cause**
Internal error.

**Action**
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation (including the return code) available.

---

**QOO0008E**

### Write pending limit reached for this LRU

**Cause**
The write pending limit has been reached.

**Action**
Choose a different LRU.
**QOO0009E**

Write pendings on device - cant continue

**Cause**
The device has write pending requests.

**Action**
Choose a different device.

---

**QOP0001E**

Invalid Priority specified

**Cause**
Invalid priority specified.

**Action**
Correct the specified value.

---

**QOP0002E**

Invalid SPC (not 1 to 10 hex)

**Cause**
Invalid SPC specified.

**Action**
Correct the specified value.

---

**QOP0003E**

Invalid SPC Validity Stamp

**Cause**
SPC has not been initialized.

**Action**
Initialize SPC.

---

**QOP0004E**

Invalid Global Statistics Update Interval

**Cause**
An invalid update interval was specified.
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<th>Description</th>
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<td>Invalid Common Control Bits</td>
<td></td>
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</table>
**QOP0010E**

Invalid Director Control Bits

*Cause*
The director control bits are not correct.

*Action*
Correct the specified value.

**QOP0011E**

SPC is not enabled

*Cause*
SPC is disabled.

*Action*
Enable SPC.

**QOP0012E**

Invalid input parameters

*Cause*
The input parameters are not correct.

*Action*
Correct the specified value.

**QOS0500E**

Snap error

*Cause*
An error occurred during a snap operation.

*Action*
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation (including the return code) available.
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Cause</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>QOS0501E</td>
<td>QOSSNAP DD Statement Missing</td>
<td>The DEBUG (SNAP) command was specified but the DD statement is missing.</td>
<td>Add the specified DD statement.</td>
</tr>
<tr>
<td>QOS0502E</td>
<td>QOSSNAP DCB Open Error</td>
<td>An error occurred while opening the specified DCB.</td>
<td>Check the definition of the QOSSNAP DD.</td>
</tr>
<tr>
<td>QOS1000E</td>
<td>QOSINPUT DD Statement Missing</td>
<td>The specified DD statement is missing.</td>
<td>Add the specified statement.</td>
</tr>
<tr>
<td>QOS1001E</td>
<td>QOSINPUT DCB Open Error</td>
<td>An error occurred while opening the specified DCB.</td>
<td>Check the definition of the specified DD.</td>
</tr>
<tr>
<td>QOS1003E</td>
<td>QOSPRINT DCB Open Error</td>
<td>An error occurred while opening the specified DCB.</td>
<td></td>
</tr>
</tbody>
</table>
Action
Check the definition of the specified DD.

QOS1004E

The UCB for the beginning CUU was not found or is invalid

Cause
The SCANUCB for the specified CUU has failed.

Action
Check to be sure that the CUU device is valid.

QOS1005E

The number of devices requested exceeds 680.

Cause
The QOSGET request cannot exceed 680 devices.

Action
Do not request more than 680 devices for Enginuity 5x69 and later levels of the operating environment, or more than 2000 for Enginuity 5x69 and earlier.

QOS1006E

Device range invalid.

Cause
The beginning CUU for a range request is greater than the ending CUU.

Action
Check to be sure that the CUU device range is valid.

QOS1007E

The device specified is not a valid device

Cause
The FC01 call has determined that the device is not valid. SYMPHYGD is not set.

Action
Check to be sure that the CUU specified is valid.

QOS1008E

The FC01 SAI call failed.
Cause
The SAI call failed.

Action
Check the error codes returned.

QOS1009E

The device specified is not an EMC device

Cause
FC01 has determined that the device is not a Dell EMC device.

Action
Be sure QOS is run against a Dell EMC device only.

QOS1010E

The Enginuity level is invalid

Cause
FC01 has determined that the operating environment level is not valid. MCLINVLD is set.

Action
Be sure the proper operating environment level is installed.

QOS1011E

The Microcode level must be 5x66+

Cause
The operating environment level must be 5x66 or later.

Action
Ensure the proper operating environment level is installed.

QOS1012E

The device device_type is not supported. Must be 3990, 3880, 2105, or 2107.

Cause
QOS was run against an invalid device type.

Action
Be sure QOS runs against one of the supported device types.
QOS1013E
The SAI call failed.

Cause
Global configuration data could not be obtained.

Action
See the return values to determine the cause.

QOS1014E
The FC10 SAI call failed.

Cause
Because the FC10 request failed, the QOS request could not be processed.

Action
See the return values to determine the cause.

QOS1015E
An error occurred while closing the QOSINPUT DCB

Cause
An error occurred while closing the specified DCB.

Action
See the return values to determine the cause.

QOS1016E
An error occurred while closing the QOSPRINT DCB

Cause
An error occurred while closing the specified DCB.

Action
See the return values to determine the cause.

QOS1017E
An error occurred while closing the SNAP DCB

Cause
An error occurred while closing the specified DCB.
QOS1018E

**LRU option not supported at this microcode level**

**Cause**
The LRU option is not supported at the current operating environment level.

**Action**
Do not specify the LRU option.

QOS1019E

**The UCB for the ending CUU was not found or is invalid**

**Cause**
The SCANUCB for the specified CUU has failed.

**Action**
Check to be sure that the CUU device is valid.

QOS1020E

**An error occurred while closing the SYSPRINT DCB**

**Cause**
An error occurred while closing the specified DCB.

**Action**
See the return values to determine the cause.

QOS1021E

**A bad command was encountered**

**Cause**
An unsupported command was specified.

**Action**
Re-enter a supported command.

QOS1023E

**The print request failed**
Cause
A report line could not be printed.

Action
Be sure the QOSPRINT DD is still valid.

QOS1024E

The snap request failed

Cause
Snap could not dump the requested data.

Action
Be sure the QOSSNAP DD is still valid.

QOS1025E

Snap priority only valid for 5x69+

Cause
Snap priority is not valid.

Action
Correct the specified value.

QOS1026I

Job Completion Status

Cause
Job completion status information.

Action
None.

QOS1027E

An error occurred generating the configuration report

Cause
An error occurred while trying to produce the configuration report.

Action
Check for additional error information.
QOS1028E

The number of devices requested exceeds 2000

Cause
The QOSGET request cannot exceed 2000 devices.

Action
Do not request more than 680 devices for Enginuity 5x69 and later levels of the operating environment, or more than 2000 for Enginuity 5x69 and earlier.

QOS1029E

A maximum of eight LRUs are supported for a Symm4

Cause
A maximum of 8 LRUs are supported for a Symm 4.

Action
Specify an LRU value between 0 and 7.

QOS1030E

Quality of Service runs on a Symm 4 or 5 only

Cause
The QOS application must run on either a Symm 4 or a Symm 5.

Action
Execute QOS against the proper storage system.

QOS1031E

There are no LRUs defined

Cause
You are trying to configure an LRU but no LRUs have been configured for this storage system.

Action
Specify the proper CUU or reconfigure the storage system.

QOS1032E

Quality of Service Multiple LRU support only runs on a Symm 5 and above
**QOS1033E**

**Cause**
The reset command is only supported on a Symm 5 and above.

**Action**
None.

**QOS1034E**

**Cause**
The CUU range specified does not represent contiguous Symm devices.

**Action**
Specify a contiguous CUU range.

**QOS1035E**

**Cause**
The Symmetrix is not set up to use named LRUs.

**Action**
Configure the storage system for named LRUs.

**QOS1036E**

**Cause**
LRU is not valid with named LRUs.

**Action**
Specify the LRU group.
QOS1037E

Getmain failure

Cause
Storage could not be obtained.

Action
Check for a resource shortage.

QOS1038E

The microcode level must be 5x72+

Cause
The operating environment level is invalid.

Action
Execute the procedure against the proper storage system.

QOS1040E

Invalid director or range specified

Cause
An invalid director or range was specified.

Action
Correct the specified value.

QOS1041E

Invalid statement order

Cause
A command statement is not in the proper order.

Action
Check the statements and verify that they are in the proper order.

QOS1042E

Required statement missing

Cause
A required statement is missing.
Action
Add the required statement.

QOS1043E

Global previously specified

Cause
The global parameter was specified on a previous statement and local was specified.

Action
Correct the statements to specify either local or global, but not both.

QOS1044E

Local previously specified

Cause
The local parameter was specified on a previous statement and global was specified.

Action
Correct the statements to specify either local or global, but not both.

QOS1045E

Statement count exceeded

Cause
Too many statements were specified.

Action
Remove the excess statements.

QOS1046E

Update Global previously specified

Cause
The global parameter was specified on a previous statement and local was specified.

Action
Correct the statements to specify either local or global, but not both.

QOS1047E

You cannot specify a range when using META or SCKD
Cause
A device range was specified when using the TYPE parameter.

Action
Correct the statement.

QOS1048E

Invalid statement option

Cause
An unsupported option was specified.

Action
Correct the statement.

QOS1049E

Required parameter missing

Cause
A required parameter is missing.

Action
Correct the statement.

QOS1050E

No data returned

Cause
There was no data returned for the request.

Action
Correct the statement or statements.

QOS1051E

The Symmetrix Priority Control (SPC) feature is not licensed

Cause
License check failed.

Action
Specify a valid license key.
QOS1052E

The Dynamic Cache Partitioning (DCP) feature is not licensed

**Cause**
License check failed.

**Action**
Specify a valid license key.

QOS1053E

SCF is not running or is unavailable

**Cause**
SCF is not running or is unavailable.

**Action**
Specify the proper SCF suffix or be sure SCF is active.

QOS1054E

An error occurred during license validation

**Cause**
A license validation request failed.

**Action**
Correct the invalid license key problem.

QOS1055E

Invalid group name - Can only contain A-Z, a-z, 0-9 or _ (not the first or last character)

**Cause**
An invalid group name has been specified.

**Action**
Correct the specified value.

QOS1056E

Security check failed

**Cause**
The SAF security check failed.
Action
Be sure the class QS#BASE is defined. For Dynamic Cache Partitioning, you must have access to the resource QOS-DCP. For Symmetrix Priority Control, you must have access to the resource QOS-SPC.

QOS1057E
MAXCACHE value is invalid

Cause
The MAXCACHE value is invalid.

Action
Check and correct the value.

QOS1058E
MINCACHE value is invalid

Cause
The MINCACHE value is invalid.

Action
Check and correct the value.

QOS1059E
Age value is invalid

Cause
The Age value is invalid.

Action
Check and correct the value.

QOS1060E
Check Patch Error. Required patches could not be verified

Cause
A Check Patch error occurred. Required patches could not be verified.

Action
An error occurred while trying to verify the required patch. Contact Dell EMC Customer Support.
### QOS1061I

**Required Enginuity patch not applied**

**Cause**
The required operating environment patch is not applied.

**Action**
Apply any required patches.

### QOS1062E

**Priority value not supported at this Enginuity level**

**Cause**
The priority value is not supported at this level of the operating environment.

**Action**
Adjust the value or apply any required patches.

### QOS1063E

**XRCP is not supported at this Enginuity level**

**Cause**
XRCP is not supported at this level of the operating environment.

**Action**
Install the proper operating environment level.

### QOS1064E

**Inconsistent serial number. The requested CUU resides on a different control unit**

**Cause**
Inconsistent serial number. The requested CUU resides on a different storage system.

**Action**
All specified devices must be on the same storage system.

### QOS1065E

**The Config Global request failed**

**Cause**
The Config Global request failed.
Action
An error occurred while processing the global request. Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance.

QOS1066I

BCVP, SCRP and LRUNAME are not supported at this Enginuity level and will be ignored

Cause
An invalid but tolerated parameter was specified and executed with Enginuity 5875 or a later level of the operating environment.

Action
None.

QOS1067I

BCVP has no effect at this Enginuity level

Cause
This message indicates that the QOSSET command BCVP parameter has no effect when using Enginuity 5874.

Action
None.

QOS1068I

The QOS command completed successfully

Cause
SETCPYP/SETDEVCP or QOSSET was run with Enginuity 5875 or a later level of the operating environment.

Action
None.

QOS1070E

The specified filters have excluded all devices

Cause
The specified NOT priority filters have excluded all devices.

Action
Modify the filters and resubmit the command.
QOS1071E
Symmetrix serial number not found

Cause
The specified storage system serial number does not match any storage system.

Action
Check the serial number and reenter it in the command.

QOS1072E
No devices found in specified RA group

Cause
The specified SRDF group number does not match any SRDF groups.

Action
Check the SRDF group number and reenter it in the command.

QOS1073E
No devices found in POOL

Cause
No devices were found in the specified pool.

Action
Reissue the command using a different pool name.

QOS1074E
Specified pool name not found

Cause
The specified pool name is not located.

Action
Check the pool name and reissue the command.

QOS1075E
Error occurred while trying to obtain pool devices

Cause
Call to General Pool Manager (GPM) failed to obtain pool information.
Action
Examine the input, verify the PowerMax/VMAX channel address, the log device number(s), and any other relevant information. If any errors are found, correct the error, and submit the job again. If no errors are found, recreate the error with a GTF trace and contact the Dell EMC Customer Support Center for technical assistance.

QOS1076E

message-text

Cause
This message is issued when a syscall error has occurred. message-text describes the syscall error condition in further detail.

Action
Correct the error condition indicated by the message text. If necessary, contact the Dell EMC Customer Support Center for technical assistance.

QOS2000E

SYSPRINT DD Statement Missing

Cause
The specified DD statement is missing.

Action
Add the specified statement.

QOS2001E

SYSPRINT DCB Open Error

Cause
An error occurred while opening the specified DCB.

Action
Check the definition of the specified DD.

RRMT006E

DEVICE xxxx IS NOT AN R1

Cause
The specified device does not have a remote device associated with it.

Action
Specify a valid R1 device that is associated with a remote device. Submit again.
RRMT007E

PARM ERROR: xx

**Cause**
xx can be one of the following:
- NO PARAMETER LIST PASSED
- DATA WORKAREA INVALID
- UCB IN PARM LIST INVALID
- UCB CHECK FAILED
- UNKNOWN DEVICE TYPE
- SYMDEVICE VALIDATION FAILED
- DEVICE HAS NO R2
- MIRROR NOT READY
- TRKS/CYL INCORRECT
- NO THIRF PARM IN PARM LIST

**Action**
Correct the parameter list and resubmit the command.

RRMT008E

CUU=cuu MICROCODE LEVEL MUST BE 5X69 OR HIGHER

**Cause**
The operating environment level of the storage system does not support remote access to data.

**Action**
Upgrade the storage system to Enginuity 5x69 or a later level of the operating environment.

RRMT009I

RA/DEV = XX/DDDD (single hop)

**Cause**
This is an informational message identifying the RA group (XX) and specific storage device (DDDD).

**Action**
None.
**RRMT012I**

NO RA/DEV# SPECIFIED. CHOOSING FIRST ONE

**Cause**
The RA/DEV number is not specified. The system is choosing the first available RA/DEV number.

**Action**
If this is correct, leave as is, or specify another RA/DEV number in the syntax.

---

**RRMT014E**

RA/DEV# SPECIFIED NOT FOUND - TERMINATING

**Cause**
One of the RA/DEV# combinations is not found in the system.

**Action**
Check all RA/DEV# combinations in the input parameter list (RMT syntax), correct it and resubmit.

---

**RRMT015I**

HOPS=xx RAG(S)=... TGT R2 DEVICE=zzzzzzzz

**Cause**
This is an informational message identifying the RA groups and R2 device which was found or specified in parameters list.

**Action**
None.

---

**RRMT016I**

MAX #CYL=cccccccc FOR DEVICE

**Cause**
This is an informational message listing the maximum number of cylinders for the device specified in the previously issued message RRMT015I.

**Action**
None.
SCF0000I

Dell EMC ResourcePak Base VERSION vrm (Level level) STARTUP

Cause
The message is issued during ResourcePak Base initialization sequence. Identifies the ResourcePak Base version.

Action
None.

SCF0001I

SCF ADDRESS SPACE VECTOR TABLE AT xxxxxxxx

Cause
This is a debug message.

Action
None.

SCF0002I

EMC $SASECSA TABLE AT xxxxxxxx

Cause
This is a debug message.

Action
None.

SCF0003I

SCF SHUTDOWN due to environment manager termination

Cause
A catastrophic error has occurred in the SCF environment manager causing it to terminate and has resulted in the termination of the SCF address space.

Action
Restart the SCF address space. Contact the Dell EMC Customer Support Center for technical assistance.
**SCF0004E**

SCF cannot be started as the system architecture level is not supported

**Cause**
SCF cannot be started as the system architecture level is at too low a level. On startup, SCF checks for PSAESAME to verify the required z/Architecture support. This is the minimum supported architecture level for Dell EMC products.

**Action**
None.

**SCF0011I**

SUBSYSTEM INTERFACE ACTIVATED

**Cause**
This message is issued during SCF initialization sequence.

**Action**
None.

**SCF0012I**

SUBSYSTEM INTERFACE DEACTIVATED

**Cause**
This message is issued during SCF shutdown sequence.

**Action**
None.

**SCF0013E**

IEFSSI aaaaaaaaa REQUEST ERROR - RC: nn RS: nn; CLEANUP REQUIRED

**Cause**
While establishing and activating the subsystem interface for SCF, a non-zero return code was received for the indicated request. The z/OS service IEFSSI return code xxxxxxxxxx and reason code yyyyyyyyy are documented in the MVS Assembler Service Reference Manual.

**Action**
Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If the reason for the error cannot be determined, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.
**SCF0014E**

**IEFSSVT aaaaaaaaa REQUEST ERROR - RC: nn RS: nn; CLEANUP REQUIRED**

**Cause**
While establishing and activating the subsystem interface for SCF, a non-zero return code was received for the indicated request. The z/OS service IEFSSVT return code xxxxxxxxx and reason code yyyyyyyy are documented in the MVS Assembler Service Reference Manual.

**Action**
Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If the reason for the error cannot be determined, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.

---

**SCF0060E**

jobid Registration error, EMCDASD failed: RC xxxx, CUU cuu

**Cause**
Host Application Registration failed due to an internal EMCDASD error.

**Action**
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation (including the return code) available.

---

**SCF0061E**

jobid Registration error, ALESERV failed: RC xxxx, CUU cuu, CNTRL nnnnn

**Cause**
Host Application Registration failed due to an internal ALESERV error.

**Action**
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

---

**SCF0062E**

jobid Registration error, Unable to locate CDE, CUU cuu, CNTRL nnnnn
**Cause**
Host Application Registration failed because the CDE control block for the executing program could not be located.

**Action**
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**SCF0063E**

```
jobid Registration error, Unable to locate Controller, CUU cuu, CNTRL nnnnn
```

**Cause**
Host Application Registration failed because of an internal error in locating the storage system table in the SCF address space.

**Action**
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**SCF0064W**

```
jobid Registration error, APPBUF capacity exceeded, CUU cuu, CNTRL nnnnn
```

**Cause**
Host Application Registration failed because the internal APPBUF table capacity has been exceeded.

**Action**
None. SCF will re-use the oldest entry.

**SCF0065W**

```
jobid Unable to Register, SEL nn not available, CUU cuu, CNTRL nnnnn
```

**Cause**
Host Application Registration failed because Symmetrix External Lock nn could not be obtained.

**Action**
This should be a transient error. If the error persists, contact the Dell EMC Customer Support Center for technical assistance.
SCF0066E

jobid Registration failed: RC xxxx, EMCRC xxxx, EMCRS xxxx, CUU cuu, CNTRL nnnnn

Cause
Host Application Registration failed.

Action
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

SCF0067E

jobid Registration disabled, maximum Controller errors exceeded, CNTRL nnnnn

Cause
Host Application Registration has been disabled for the indicated storage system because the storage system error threshold has been exceeded.

Action
Review the SCF joblog for related error messages. Contact the Dell EMC Customer Support Center for technical assistance.

SCF0068E

jobid Registration disabled, maximum total errors exceeded

Cause
Host Application Registration has been disabled for the SCF address space.

Action
Review the SCF joblog for related error messages. Contact the Dell EMC Customer Support Center for technical assistance.

SCF0069I

jobname(JOBnnnnnn) Registration Lock released, Holdtime nnnn, CUU ccuu, CNTRL nnnnnnn-nnnnn

Cause
This message is issued by EMCSAIL on behalf of a job. The message is written to the SCF joblog.

Action
None.
### SCF0070I

**Host registration for EMC (application name) failed**

**Cause**
The write of the application registration info to the storage system failed.

**Action**
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

### SCF0071I

**REFRESH/RESCAN STARTED AT nnnn GMT - TIMER POPPED AT nnnn GMT**

**Cause**
The last Refresh/Rescan was started at nnnn. The last automated rescan occurred when the timer popped at nnnn. If the times are different, then an application requested either a Refresh or a Rescan and the started time reflects when that occurred.

**Action**
None.

### SCF0100I

**SYMMETRIX CONTROL FACILITY VERSION vrm NOW ACTIVE (nnnn)**

**Cause**
This message is issued during the ResourcePak Base SCF component initialization sequence.

*vr* is SCF version. *nnnn* is the SCF maintenance level.

**Action**
None.

### SCF0201W

**SHUTDOWN NOT ALLOWED, xxxx ENVIRONMENT HAS nn ACTIVE TASKS**

**Cause**
SCF shutdown was requested but cannot be processed as the indicated environment has active tasks. These tasks must complete prior to SCF, allowing a shutdown to proceed. If the SRV environment is indicated, the active tasks generally belong to external applications that require SCF to remain active.
**Action**
The tasks must be shutdown in accordance with the documented procedure for the environment. Wait for the active tasks to complete for the environment, and then try the shutdown request again.

If the MSC environment is indicated and multiple MSC groups are defined, an MSC,DISABLE for a specific MSC group will not delete the MSC definition. An MSC,DISABLE for all groups will delete the definition as well as disable the MSC environment.

If the SRV environment is indicated and any external application that requires SCF to remain active (for example, Change Tracker) is running, the batch job must complete and/or the application must be shut down in accordance with the documented procedure for that application. Once the application is no longer running, try the shutdown request again. If no applications that require SCF to be active are running, the following command may be issued to decrease the count by one, allowing a subsequent shutdown request to succeed:

```
/F scfname SRV,SYSBUSY DECREMENT
```

**SCF0202W**

| SHUTDOWN REQUEST IGNORED |

**Cause**
The SCF shutdown request has been ignored. Refer to other messages which have been issued to indicate the reason.

**Action**
Refer to message SCF0201W.

**SCF0203I**

| TERMINATION DELAY DUE TO ACTIVE ENVIRONMENT: xxxx TASK: yyyyy |

**Cause**
This message is issued during SCF shutdown sequence to identify the environments and tasks that are delaying termination.

**Action**
None. SCF will wait up to 10 minutes for all environments to terminate before ending. If SCF does not terminate, contact the Dell EMC Customer Support Center for technical assistance.

**SCF0301I**

| text |

**Cause**
Each command in the input configuration file is echoed to the joblog.
Action
None.

SCF0311E

ENVIRONMENT FOR COMMAND xxxx NOT REGISTERED

Cause
A command was entered for an environment, but the environment was not active.

Action
Verify the following:
- The necessary initialization parameters were specified to activate the specified environment.
- The necessary product libraries (the product LINKLIB, for example) are present in the SCF startup JCL.
- That devices or resources for that environment are available. If device discovery is still in process, wait for the environment to be initialized. Contact the Dell EMC Customer Support Center for technical assistance.

SCF0312E

RANGE yyyy-xxxx IS NOT VALID; LOW VALUE CANNOT BE GREATER THAN THE HIGH VALUE

Cause
While parsing the input data stream with PARM_VERIFY=YES specified, a syntax error was detected. A range specified as yyyy-xxxx is not valid. The starting value is less than the ending value.

Action
Correct the input data stream.

SCF0313I

text

Cause
This message shows the SCFINI command echoed in the joblog with PARM_VERIFY=YES specified.

This message is displayed where the command text interpreted by SCFINI parse processing is required to be displayed for subsequent parser error messages. Normally parser messages can accompany message SCF0301I; however, in certain circumstances the values stored by SCFINI processing are transformed from the read value. For example, blanks ' ' will be compressed from values in the input stream, license feature codes will have all value disguised as 'xxxx-xxxx-xxxx-xxxx', and so on.

Action
Refer to other parsing messages for further details.
SCF0321I

<table>
<thead>
<tr>
<th>text</th>
</tr>
</thead>
</table>

**Cause**
Each console command is echoed to the joblog.

**Action**
None.

SCF0322I

<table>
<thead>
<tr>
<th>INI xxxx COMMAND COMPLETED</th>
</tr>
</thead>
</table>

**Cause**
SCF initialization completed processing the specified command.

**Action**
None.

SCF0323E

<table>
<thead>
<tr>
<th>INI xxxx COMMAND FAILED</th>
</tr>
</thead>
</table>

**Cause**
SCF initialization encountered an error processing the specified command.

**Action**
Verify the command is valid. Contact the Dell EMC Customer Support Center for technical assistance.

SCF0324E

<table>
<thead>
<tr>
<th>xxxx COMMAND FAILED SYSTEM SECURITY CHECK</th>
</tr>
</thead>
</table>

**Cause**
The indicated command has failed the system security check.

**Action**
The security subsystem has denied access to the resource. Contact your security administrator for proper access.

SCF0325E

<table>
<thead>
<tr>
<th>text</th>
</tr>
</thead>
</table>
**Cause**
Displays syntax errors for failed console commands.

**Action**
Use the information from the message to correct your command and reissue.

**SCF0326I**

Pending command cancelled: command

**Cause**
Following an EMCSCF stop or shutdown request, the indicated pending command has been cancelled and will not be processed.
Pending commands are those that have been entered and are waiting to be executed.

**Action**
None.

**SCF0327I**

Waiting for command to complete: command

**Cause**
Following an EMCSCF stop or shutdown request, the indicated command is still executing and will delay shutdown processing.
This message will be displayed at regular intervals until the command processing completes. Once all commands complete, then EMCSCF will continue with shutdown.

**Action**
Determine the reason for the command delay. If there are any outstanding WTORs for the indicated command, then reply accordingly. Additionally, check for resource contention (for example, using the D GRS, C z/OS operator command) that might be delaying the completion of the command. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

**SCF0328E**

INI bad value specified for keyword kkkkkkkk [using vvvvvvvv]

**Cause**
An SCF.INI value was specified for keyword kkkkkkkk in the SCFINI file that was not valid. If an existing, default, or more appropriate value can be determined then this will be indicated by vvvvvvvv.

**Action**
Re-enter the command after existing operator commands complete. The command limit can be changed using the SCF.INI.COMMAND.MAX initialization parameter.
SCF0330E

Max command count $mmmmm$ (active $aaaaa$, pending $ppppp$) exceeded.
Cannot process command $cccccccc$

**Cause**
The indicated operator command could not be processed as the command limit count ($mmmmm$) has been exceeded. The active ($aaaaa$) indicates the number of active command processor tasks, and the pending value ($ppppp$) indicates the number of commands waiting to be processed.

**Action**
Re-enter the command after existing operator commands complete. The command limit can be changed using the SCF.INI.COMMAND.MAX initialization parameter.

SCF0331I

text

**Cause**
Each environment command is echoed to the joblog.

**Action**
None.

SCF0332I

`ENV $xxxx$ COMMAND FOR ENVIRONMENT: $xxxx$ ACCEPTED`

**Cause**
SCF command processing accepted the specified command for the specified environment.

**Action**
None.

SCF0333E

`ENV $xxxx$ COMMAND FOR ENVIRONMENT: $xxxx$ REJECTED`

**Cause**
Syntax error - invalid command.

**Action**
Contact the Dell EMC Customer Support Center for technical assistance.
SCF0334E

ENVIRONMENT xxxx INVALID

Cause
A command was entered that specified an environment that is unknown to SCF.

Action
Verify that the correct environment was specified when entering the command. Contact the Dell EMC Customer Support Center for technical assistance.

SCF0341I

text

Cause
Each device command is echoed to the joblog.

Action
None.

SCF0342I

DEVICE sdddd COMMAND ACCEPTED

Cause
A command entered for the specified device was accepted and is in process.

Action
Wait for the command to complete.

SCF0343E

DEVICE command-name COMMAND FAILED

Cause
The specified command entered has failed. Most likely, because a device is unknown.

Action
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.
SCF0344I

CONTROLER 4nnnnnnnnnnn HAS nnnn SUBSYSTEMS

Cause
A command was entered to display the information about the specified DASD storage system.

Action
None.

SCF0345I

- ssss ssss ssss ssss ssss ssss

Cause
A command was entered to display the information about the specified DASD storage system. This is the list of SSIDs for that storage system.

Action
None.

SCF0346E

CONTROLER 'XXXXXXXXXXXXXXXXX' NOT FOUND

Cause
A command was entered to display information about the specified DASD storage system.

Action
The DASD is not available (no physical paths), does not exist, or discovery has not completed.

SCF0347I

CONTROLER nnnnnnnnnnn, SSID xxxx HAS nnnn DEVICES

Cause
A command was entered to display information about the specified DASD storage system. This is the number of subsystems and the list of devices for that storage system.

Action
None.
SCF0348I
- sdddd sdddd sdddd sdddd

Cause
A command was entered to display information about the specified DASD storage system. This is the list of devices for that DASD.

Action
None.

SCF0349E
SSID xxxx NOT FOUND

Cause
A command was entered to display information about the specified SSID.

Action
The SSID is not registered, does not exist, or discovery has not completed.

SCF0350I
sdddd(volser) status ven-symm_serial#-ssid-symdv-LCU-UA

Cause
A DEV,DISplay,DEVICE or DEV,DIS,VOLUME command was entered to display the information about a specific device or volume.

The fields are as follows:

sdddd
- z/OS device number.

volser
- z/OS volume serial number.

status
- Device (UCB) status as also displayed from the 'D U,DASD' MVS command in addition to the following:
  - SPECIAL indicates the device is a 3390-D in an alternate subchannel set.
  - SPECIAL(S) indicates the device is a 3390-D in an alternate subchannel set and in use by a system component. This can include Mirror Optimizer and AutoSwap R2 devices.
  - OFFLINE(P) indicates the device is offline pending.
  - OFFLINE(S) indicates the device is in use by a system component. This can include Mirror Optimizer and AutoSwap R2 devices.

ven
Vendor ID from the MVS Read Configuration Data command.

`symm_serial#`
The storage system serial number.

`ssid`
The subsystem ID in which the device is included.

`symdv`
The PowerMax/VMAX device number for the device.

`LCU`
The device logical control unit.

`UA`
The unit address value.

For example:

```
E900(UCR100) ONLINE EMC-000182503028-C401-000100-03-40
```

**Action**
None.

---

**SCF0351E**

**DEVICE sdddd NOT FOUND**

**Cause**
A command was entered to display information about the specified device but the specified device does not exist.

**Action**
None.

---

**SCF0352E**

**VOLUME vvvvv NOT FOUND**

**Cause**
A command was entered to display information about the specified volume but the volume is not online or discovery has not completed.

**Action**
None.

---

**SCF0353I**

**text**
SCF0354I

EVENT NOTIFICATION DEBUGGING IS ON|OFF

Cause
Issued as the result of a SET DEBUG command or initialization parameter to identify the debug status for ENF processing.

Action
None.

SCF0355I

SUBSYSTEM COMMAND DEBUGGING IS ON|OFF

Cause
Issued as the result of a SET DEBUG command or initialization parameter to identify the debug status for subsystem command processing.

Action
None.

SCF0356I

DEVICE command_name COMPLETED

Cause
A command entered for the specified device was completed.

Action
None.

SCF0357I

CONTROLLER 'nnnn' HAS 'nnnn' PATHS TO OTHER CONTROLLERS'

Cause
The DEV DIS CNTRL(nnnnn) command was entered.

Action
None.
**SCF0358I**

LCL SERIAL#  MC  CCUU  MHOP  ------  REMOTE

or

RMT SERIAL#  MC  CCUU  UCB@  MHOP

**Cause**
The storage system is remote.

**Action**
None.

**SCF0359I**

MHOP  RMT CNTRL  MC  '

**Cause**
The DEV DIS CNTRL or DEV DIS TOPO command was entered. This message is part of the display headers.

**Action**
None.
SCF0360I

CONTROLLER ',,,' HAS ' subsystems and is at MCLEVEL

Cause
The DEV DIS CNTRL(nnnnr) command was entered.

Action
None.

SCF0361I

Gate Keeper Devices ccuu-ccuu

Cause
This message lists gatekeeper devices.

Action
None.

SCF0362I

MC PATCH NOT APPLIED.

Cause
An operating environment patch has not been applied for the operating environment family you are running.

Action
None.

SCF0363I

PATCH ',,,' HAS BEEN APPLIED.

Cause
The specified operating environment patch has been applied.

Action
None.

SCF0364E

Second device in range must be greater than the first
Cause
An SCF command was issued specifying an invalid device range. The second device in the range is not greater than the first. Consequently, the command has failed.

Action
Correct the device range so that the second device is greater than the first, and reissue the command.

SCF0365W

No devices found

Cause
An SCF device display command was issued, but none of the requested devices are known to SCF.

Action
If the requested devices were specified incorrectly, correct and reissue the command. Otherwise, ensure the devices are accessible and are not excluded from SCF in the SCFINI initialization parameter file. If the devices are inaccessible, issuing MVS commands DS QD and DS P for those devices may provide more information as to what is the problem.

SCF0366I

Device totals - Requested: n, Found: n, Excluded: n, Not found: n

Cause
An SCF device display command was issued. This is a summary line indicating the total number of devices requested, found, excluded, and not found. The devices requested are those specified on the command. The devices found are those displayed. The devices excluded are those that are accessible but are not defined to SCF. The devices not found are those that are not accessible.

Action
None.

SCF0367I

No devices online

Cause
There were no storage system devices online for the device range specified by the DEV DIS ONLINE command. Refer to message SCF0368I for details on summary counts.

Action
None.
### DEVICE ONLINE SUMMARY

<table>
<thead>
<tr>
<th>Host name</th>
<th>CPU serial</th>
<th>Device</th>
<th>SMFID</th>
<th>Online Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>sss</td>
<td>cccccc</td>
<td>oooo</td>
<td>sss</td>
<td></td>
</tr>
</tbody>
</table>

- **Online devices in range**: 1
- **Offline devices in range**: 0

**Summary counts:**
- **Non-EMC devices skipped**: nnnnn
- **Excluded lines by filter**: nnnnn
- **Online devices displayed**: nnnnn
- **Online devices in range**: nnnnn
- **Offline devices in range**: nnnnn
- **API device errors**: nnnnn

**Cause**

Displays output from the DEV DIS ONLINE SUMMARY command.

- **ssss**: CSC resolved SMFID or 'Unkn' if it cannot be determined.

- **cccccccccc**: 10 digit CPU serial number.

- **oooooo**: Count of devices online in specified range.
  
The summary counts include the following:

- **Non-EMC devices skipped**: nnnnn
  
  Where non-zero, the count of non-Dell EMC devices skipped. Only Dell EMC PowerMax/VMAX devices will be included in the online display processing.

- **Excluded lines by filter**: nnnnn
  
  Where non-zero, the count of excluded lines due to the specified FILTER.

- **Online devices displayed**: nnnnn
  
  Where non-zero, the count of online devices displayed.

- **Online devices in range**: nnnnn
  
  Count of online devices in range.

- **Offline devices in range**: nnnnn
  
  Count of offline devices in range.

- **API device errors**: nnnnn
Where non-zero, the count of devices that had API IO errors and the online state could not be determined.

**NOTE:** Host name not determined,

Indicates a reason why CSC could not resolve the CPU serial number to an SMFID.

If CSC is not active then the SMFID cannot be resolved.

For other reasons, examine the EMCSCF job log and syslog for other messages.

If the reason cannot be determined then contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation including the SYSLOG and JOB log.

**Action**

None.

### SCF0369I

<table>
<thead>
<tr>
<th>Unit</th>
<th>Controller</th>
<th>Symmdv#</th>
<th>Host Online Count</th>
<th>Host name</th>
<th>CPU serial</th>
</tr>
</thead>
<tbody>
<tr>
<td>sccuu</td>
<td>cccccccc-ccccc</td>
<td>ddddd</td>
<td>ooo ssss ccccccccc</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*summary counts*

**Cause**

Displays output from the DEV DIS ONLINE DETAIL command. Refer to message SCF0368I for details on summary counts.

**sccuu[-S]**

5-digit z/OS device number. If the device is 'special' (resides in an alternate subchannel set), the -S indicator follows the device number.

**ccccccc-cccccc**

Storage system serial number.

**ddddddd**

PowerMax/VMAX device number or 'Non-EMC' for non-Dell EMC devices.

**ooo**

Count of LPARs that have this device online. Shown as --- for non-Dell EMC devices when the ALLDEVices option is specified.

**ssss**

CSC resolved SMFID or 'Unkn' if it cannot be determined. Shown as ---- for offline/non-Dell EMC devices if ALLDEVices is specified.

**cccccccccccc**

10-digit CPU serial number. Shown as --------- for offline/non-Dell EMC devices if the ALLDEVices option is specified.

<summary counts>
Refer to message SCF0368I for explanation of summary counts.

**Action**
None.

**SCF0401I**

**DEVICE LIST HAS BEEN PROCESSED**

**Cause**
The device display has been successfully processed.

**Action**
None.

**SCF0402I**

**SER# nnnnnnnnnnn SSID xxxx HAS nnnn DEVICES IN SPLIT x**

**Cause**
This message is displayed for each DASD storage system after device discovery during SCF startup. It displays the number of subsystems, the list of devices, and the logical storage system representation (split) number for the specified storage system.

**Action**
None.

**SCF0403I**

**CONTROLLER nnnnnnnnnnn DISCOVERED**

**Cause**
This message is issued during the discover phase of startup by the storage system to indicate progress.

**Action**
None.

**SCF0404E**

**Controller nnnnnnnnnnn REGQUERY failed: RC xxxx, EMCRC xxxx, EMCRS xxxx**

**Cause**
Host Application Registration failed.

**Action**
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**SCF0405E**

*Controller nnnnnnnnnnnn Registration has been disabled*

**Cause**
Host Application Registration has been disabled for the indicated storage system.

**Action**
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**SCF0406W**

*Invalid Wait interval specified (1-1440 allowed), default value used.*

**Cause**
An invalid wait interval was detected for SCF.DEV.WAITINT.

**Action**
Update the SCF initialization control statement to specify a value between 1 and 1440. A low value could result in excessive CPU utilization for the SCF address space.

**SCF0407W**

*Invalid Registration error count specified (1-9999 allowed), default value used.*

**Cause**
An invalid registration error count was detected.

**Action**
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**SCF0408E**

*Max error count exceeded, Registration has been disabled*

**Cause**
Host Application Registration has been disabled for the SCF address space.
Action
Review the SCF joblog for related error messages. Contact the Dell EMC Customer Support Center for technical assistance.

SCF0409I

Disk Director nnnnnnnnnnnn Discovered

Cause
This message is issued during the discover phase of startup by the storage system to indicate progress.

Action
None.

SCF0411I

Registration Lock released, Holdtime nnnn, CNTRL nnnnnnn-nnnnn

Cause
A lock was released during SCF discovery (SCFDEVIC). This message is issued to the SCF joblog.

Action
None.

SCF0412I

CONTROLLER nnnnnnnnnnnn EXCLUDED

Cause
This message is issued during the discover phase of startup by the storage system to indicate progress. It will only be issued if the user has chosen to explicitly exclude a storage system.

Action
None.

SCF0413I

RESCAN COMPLETE

Cause
This message is issued after SCF has validated its internal device tables.

Action
None.
SCF0414I

DEVICE nnnn unboxed

Cause
This message is issued during refresh/rescan UNBOX request processing.

Action
None.

SCF0415I

DEVICE nnnn was not used as a gatekeeper. [reason]

Cause
This message is issued during the discover phase of startup by the storage system while processing user-defined gatekeeper devices.

reason can be one of the following:

Device is EXCLUDED and BOX'd.
The device is excluded in SCFINI and fixup processing will not be attempted.

Device is EXCLUDED and not accessible.
The device is excluded in SCFINI and fixup processing will not be attempted.

Device is not defined.
The device is not genned (defined) to HCD.

FIXUP failed
Device fixup processing failed. Contact Dell EMC Technical Support.

FIXUP failure count exceeded max.
Device FIXUP processing failed. Contact Dell EMC Technical Support. Once the failure count max value is reached, an F emcscf,DEV REFRESH GATEKEEPER command will be required to allow fixup processing to be performed.

Gatekeeper device is not accessible.
Device path validation indicated that the device was not accessible after fixup processing was attempted. Verify paths to the indicated device using DS P,xxxx,1. Additional CF CHP and VARY PATH processing may be required to allow access to the device.

Action
None.

SCF0416I

REFRESH COMPLETE
SCF0417I

REFRESH COMPLETE

Cause
This message is issued after SCF has rebuilt its internal device tables.

Action
None.

SCF0418I

CCUU nnnn chosen as SCF Gate Keeper for cntrl(nnnnnnnn-nnnnn)

Cause
This message is issued during the discover phase of startup by the storage system while processing user-defined gatekeeper devices.

Action
None.

SCF0419I

SSID xxxx HAS nnnn DEVICES IN SPLIT x

Cause
This message is displayed after device discovery during SCF startup. It indicates that SSID xxxx and devices nnnn belong to the logical storage system representation (split) number x.

Action
None.

SCF0420I

Device discovery is complete

Cause
This message indicates device discovery has completed.

Action
None.
SCF0421I

CNTRL NAME=nnn

Cause
This message displays the assigned storage system name.

Action
None.

SCF0422I

SER# nnnnnnn-nnnnn is remote to this SCF.

Cause
This message is issued during the discover phase of startup by the storage system.

Action
None.

SCF0425W

SSID aaaa already has 256 devices in split b;
CCUU cccc/Symm device ddddd not added.

Cause
During discovery, SCF has found an excess device in the configuration of a given SSID.

Where:

aaaa
SSID value.

b
Partition ID.

cccc
z/OS device address.

ddddd
PowerMax/VMAX device number.

Action
Reconfigure the storage system. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.
**SCF0426W**

SSID `aaaa` is in split `b` but Symm device `cccccc` is in split `d`.

**Cause**
During discovery, SCF has found a storage system device in a different partition than the SSID to which it is assigned.

Where:
- `aaaa` SSID value.
- `b` Partition ID of the SSID.
- `cccccc` PowerMax/VMAX device number.
- `ddddd` Partition ID for the device.

**Action**
Reconfigure the storage system. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**SCF0427I**

The device state change table has overflowed, causing a complete rediscovery.

**Cause**
More devices have changed state than can be tracked in the table, possibly due to an ACTIVATE command or one or more VARY commands. When this happens, a complete rediscovery is needed to ensure that SCF is aware of all the devices currently available to the LPAR.

**Action**
None.

**SCF0428I**

Emulating 2107 - `nnnnnnn0aaaa`

**Cause**
`nnnnnnn0aaaa` represents the normalized IBM 2107 serial number. The number is normalized by substituting a 0 for the split ID.

**Action**
None.
SCF0429E

FRGET in SCFDEVIC failed for Controller xxxxxxxxxxxx; Return Code x Reason Code x EMRCX x

*Cause*
The API call to obtain the Feature Registration information failed.

*Action*
Collect the JES message log and any dumps that occurred just prior to this message. Contact the Dell EMC Customer Support Center for technical assistance.

SCF0430E

FRUPDATE in SCFDEVIC failed for Controller xxxxxxxxxxxx; Return Code x Reason Code x EMRCX x

*Cause*
The API call to update the Feature Registration information failed.

*Action*
Collect the JES message log and any dumps that occurred just prior to this message. Contact the Dell EMC Customer Support Center for technical assistance.

SCF0431E

Format 1:

FRGET in SCFCCTRLR failed for Remote Controller xxxxxxxxxxxx; Return Code x Reason Code x EMRCX x. UCB@ xxxxxxx Hop List xxxxxxxxxxxxxxxx

Format 2:

FRGET failed for xxx via CUU/Hoplist xxxx/xxxxx ; Remote request with no links available.

*Cause*
Format 1: The API call to obtain the Feature Registration information failed.
Format 2: Initialization on a remote storage system fails due to the lack of available links.

*Action*
Collect the JES Message log and any dumps that occurred just prior to this message. Contact the Dell EMC Customer Support Center for technical assistance.
SCF0432E

FRGET in SCFDEVIC failed for Remote Controller xxxxxxxxxxxxx; Return Code x Reason Code x EMRCX x. UCB@ xxxxxxxx Hop List xxxxxxxxxxxxxxx

**Cause**
The API call to update the Feature Registration information failed.

**Action**
Collect the JES message log and any dumps that occurred just prior to this message. Contact the Dell EMC Customer Support Center for technical assistance.

SCF0433E

FRUPDATE in SCFDEVIC failed for Remote Controller xxxxxxxxxxxxx; Return Code x Reason Code x EMRCX x. UCB@ xxxxxxxx Hop List xxxxxxxxxxxxxxx

**Cause**
The API call to update the Feature Registration information failed.

**Action**
Collect the JES Message log and any dumps that occurred just prior to this message. Contact the Dell EMC Customer Support Center for technical assistance.

SCF0434I

Gatekeeper device xxxx is no longer PINNED

**Cause**
This is an informational message indicating that the gatekeeper device is no longer pinned.

**Action**
None.

SCF0435E

Unable to find Controller to UNPIN Gatekeeper

**Cause**
Unable to locate storage system or the storage system is not responsive.

**Action**
Check the state of the storage system and reissue UNPIN with the storage system number.
**SCF0436E**

Unable to UNPIN Gatekeeper device xxxx for controller. RC: nn

**Cause**
Unable to UNPIN the storage system used as gatekeeper or the storage system is not responsive. See return code nn.

**Action**
Check the state of the storage system and reissue UNPIN with storage system number or restart SCF.

**SCF0437E**

Unable to UNPIN Gatekeeper device xxxx for controller. RC: nn REASON: nn

**Cause**
Unable to UNPIN the storage system used as gatekeeper or the storage system is not responsive. See return code nn and reason code i.

**Action**
Check the state of the storage system and reissue UNPIN with the storage system number or restart SCF.

**SCF0438E**

PIN token for this controller cannot be found. Check Controller number

**Cause**
The pinned storage system number cannot be found.

**Action**
Check the storage system number and reissue UNPIN with the correct storage system number.

**SCF0439I**

DARE is {ON|OFF}

**Cause**
This message indicates the Data At Rest Encryption (DARE) status under Enginuity 5875 or a later level of the operating environment.

**Action**
None.
**SCF0440I**

Features available on xxxxx

**Cause**
Identifies the storage system whose features are being displayed where xxxxx is the 12-character storage system serial number.

**Action**
None.

**SCF0441I**

feature

**Cause**
The feature available on the storage system identified by the immediately preceding SCF0440I message, where feature is the name of an available storage system feature (1 feature per message).

**Action**
None.

**SCF0442E**

DEV Bad value specified for keyword kkkkkkkk - using dddddddd

**Cause**
A value specified for an SCF.DEV keyword parameter in the SCFINI initialization parameter file is invalid. The display is made up of the above syntax plus the following substitution values:

- kkkkkkkk - Keyword parameter from the SCFINI initialization parameter file.
- dddddddd - Default value for the specified SCFINI initialization keyword parameter.

**Action**
Correct the erroneous value in the SCFINI initialization parameter file for the keyword parameter specified in the error message.

**SCF0443W**

DEV No eligible gatekeeper devices were found for controller nnnnnnn-nnnn.

**Cause**
SCF was not able to select a gatekeeper for the specified storage system, either because no eligible gatekeeper devices were included in the SCFINI parameter for that storage system (for example, only virtual devices were included) or all eligible
gatekeeper devices on that storage system are inaccessible (for example, the devices are in a boxed state).

**Action**
At least one eligible gatekeeper device for the specified storage system must be included in the SCFINI parameter file if not included already. The INI,REFRESH command must be issued to re-read the parameters and then the DEV,REFRESH command must be issued to discover the storage system. If all eligible gatekeeper devices for that storage system are inaccessible or boxed, then at least one of these devices must be un-boxed, at which time SCF will automatically discover the storage system.

**SCF0444I**

Controller type is ccccccccc

**Cause**
This message identifies the model type of a Dell EMC storage system, where ccccccccc is the model type, up to 8 characters.

**Action**
None.

**SCF0445I**

DEV Configuration change occurred for n controllers (CRC X'nnnnnnnn' -> X'nnnnnnnn')

**Cause**
A configuration change has occurred for at least one storage system that is included in SCF (the number of storage systems is indicated in the message). Either a new storage system was discovered, an existing storage system was removed, the operating environment level of a storage system has changed, new devices were discovered, existing devices were removed, a UCB swap occurred, or any combination of these occurrences.

**Action**
None.

**SCF0446I**

DEV Configuration change occurred for controller serial-number (CRC X'nnnnnnnn' -> X'nnnnnnnn')

**Cause**
A configuration change has occurred for the specified storage system. Either the storage system was newly discovered, its operating environment level has changed, new devices were discovered, existing devices were removed, a UCB swap occurred, or any combination of these occurrences.

**Action**
None.
SCF0447I

DEV An IODF ACTIVATE has been detected, causing SCF to perform a device rescan.

**Cause**
An ACTIVATE command was issued that resulted in devices being added and/or deleted from the system. This causes SCF to perform a device rescan in order to recognize the changes and update its tables accordingly. This ensures that SCF is aware of all the devices currently available to the LPAR.

**Action**
None.

SCF0448I

Configuration CRC is X'crc_value' (changes: add = n, delete = n, swap = n, gtkpr = n, ucode = n)

**Cause**
The DEV DISPLAY SUMMARY or DEV DISPLAY CONTROLLER command was issued. This is one of the messages constructing the body of the display. It indicates the current configuration CRC for the named storage system and the total number of changes that included added devices, deleted devices, swapped devices, changed gatekeeper items (in the SCF gatekeeper list) or an operating environment upgrade or downgrade. These counts represent the number of configuration changes, not the number of devices involved in the changes.

A configuration change for a particular storage system is defined as follows. Either the storage system was newly discovered, its operating environment level has changed, new devices were discovered, existing devices were removed, a UCB swap occurred, or a combination of these.

The following is an example:

SCF0448I Configuration CRC is X'E08CFA82' (changes: add =1, delete =0, swap =0, gtkpr =0, ucode =0)

**Action**
None.

SCF0449I

Last configuration change occurred at hours.minutes.seconds on month/day/year

**Cause**
The DEV DISPLAY SUMMARY or DEV DISPLAY CONTROLLER command has been issued. This is one of the messages constructing the body of the display. It indicates the time and date of the last configuration change for the listed storage system.
A configuration change for a particular storage system is defined as follows. Either the storage system was newly discovered, its operating environment level has changed, new devices were discovered, existing devices were removed, a UCB swap occurred, or a combination of these.

The following is an example:

```
SCF0449I Last configuration change occurred at 18.42.50 on 02/05/2013
```

**Action**

None.

**SCF0450I**

**Microcode level is major_release.minor_release**

**Cause**

The DEV DISPLAY SUMMARY command has been issued. This is one of the messages constructing the body of the display. It indicates the operating environment level, including major release and minor release, for the listed storage system.

The following is an example:

```
SCF0450I Microcode level is 5876.204
```

**Action**

None.

**SCF0451I**

**Bundles available on xxxxx**

**Cause**

Identifies the storage system whose bundles are being displayed, where xxxxx is the 12-character storage system serial number.

**Action**

None.

**SCF0452W**

```
DEV Syscall syscall_id error error_code occurred for controller serial# (CUU ccuu Hoplist hoplist)
```

**Cause**

SCF issued a PowerMax/VMAX system call to the named storage system, but an error occurred. The message indicates the system call ID, error code, and gatekeeper CUU. If the storage system is remote to this SCF, the hoplist used to reach the storage system is also indicated.
Action
Ensure the device indicated in the message is accessible. If there is a problem with the device, correct the problem. If the device is inaccessible, issuing MVS commands DS QD and DS P for that device may provide more information as to what is the problem. If the device is accessible and the problem persists, contact Dell EMC Customer Support for technical assistance.

SCF0453W

Duplicate SSID ssss defined for controllers ccccccc-ccccc and dddddd-ddddd

Cause
During EMCSCF device discovery, the duplicate SSID ssss was observed for storage systems ccccccc-ccccc and dddddd-ddddd. This can indicate a configuration issue and may prevent associated devices coming ONLINE successfully. Message SCF0654W will be additionally displayed by the DEV,DISPLAY SUMMARY command.

Action
Verify the usage of the SSIDs for the storage systems and, if necessary, update the system configuration to resolved the duplicates.

SCF0454W

** NOTE ** SSID ssss also defined for controller ccccccc-ccccc

Cause
Displayed as part of the DEV,DISPLAY SUMMARY command to indicate a duplicate SSID specification for the current storage system, identifier by the prior SCF0402I message, and the storage system indicated by ccccccc-ccccc. The systems will have also been identified by message SCF0453W during EMCSCF device discovery.

Action
Refer to message SCF0453W.

SCF0455S

variable message text

Cause
A severe error was detected that would cause a system abend in SCF, possibly an overlay of SCF storage. This message accompanies a U0455 user abend.

Action
Determine if something was running at the time of the abend that may have caused the error. Contact Dell EMC Customer Support for technical assistance.
SCF0456E

FRGET failed for xxxxxxxxxxx via CUU/Hoplist xxxx/xxxxxxxxxxxxx;
Remote request with no links available.

Cause
The API call to obtain the feature registration information failed on a remote storage
system. The failure is due to a lack of available remote links.

Action
Verify that the storage system has available remote links.

SCF0457E

Invalid SCF.CNTRL.INCLUDE value specified, “cccccccccccc”

Cause
A value specified for an SCF.CNTRL.INCLUDE keyword parameter in the SCFINI
initialization parameter file is invalid.
cccccccccccc is what was read in that was the start of the invalid value.

Action
Correct the SCFINI parameter to make it follow the proper syntax.

SCF0458E

Invalid SCF.CNTRL.EXCLUDE value specified, “cccccccccccc”

Cause
A value specified for an SCF.CNTRL.EXCLUDE keyword parameter in the SCFINI
initialization parameter file is invalid.
cccccccccccc is what was read in that was the start of the invalid value.

Action
Correct your SCFINI initialization parameter to make it follow the proper syntax.

SCF0459E

Device dev# is not eligible for Dynamic Volume Expansion.

Cause
The device dev# cannot be expanded due to the device not being a DASD, the device
is not a PowerMax/VMAX device, or the storage system on which the device resides
does not support dynamic volume expansion.

Action
Ensure that the device you are trying to expand is eligible for dynamic volume
expansion.
SCF0460E

Device dev# is configured with cccc1 Cylinders but cccc2 was specified.

Cause
The device dev# cannot be expanded due to the new cylinder count cccc2 being less than or equal to what the device already had configured of cccc1 cylinders.

Action
Ensure that the devices are specified correctly and the cylinder counts are correct.

SCF0461E

Device dev# encountered an I/O error, RTC: retcode @IOBRC: icbr @IOBRS: iobrs.

Cause
An I/O error occurred during device expansion.

Action
Contact your system programmer for reasons behind the I/O error.

SCF0462E


Cause
An SCF DEV,EXPAND command was issued. This is a summary line of the DEV,EXPAND command.

req is the number of devices that the command requested to expand.

fnd is the number of devices found.

excl is the number of devices that are accessible, but not defined to SCF.

nfnd is the number of devices not found and those that are not accessible.

sccs is the number of devices that have succeeded expansion.

fail is the number of devices that are ineligible or had an I/O failure or syscall failure.

Action
None.

SCF0464I

Device RDF Expansion totals – RDF Devices rdevs, R1s: r1s R2s: r2s.
**Cause**
After a dynamic expansion with the RDFG keyword specified, the total number of SRDF eligible devices \textit{rdevs}, the number of R1s \textit{r1s}, and the number of R2s \textit{r2s}, are shown.

**Action**
None.

---

**SCF0463E**

Device \textit{dev#} [RDFG \textit{srdfgrp}] failed expansion due to \textit{reason}.

**Cause**
The device \textit{dev#} cannot be expanded due to the reason described in \textit{reason}. If the failing device is in an SRDF relationship with the device specified in your EXPAND command, it is indicated as \textit{dev# RDFG \textit{srdfgrp}} where \textit{srdfgrp} is the SRDF group of the device.

Possible reasons are:

- **code 0001 Lock Failure, Retry**
  The system could not complete the device expansion due to a lock failure.

- **code 0009 Device is a TDAT**
  TDATs cannot be expanded.

- **code 0021 Symmetrix busy, Retry Later**
  The storage system is constrained with the number of concurrent reconfiguration tasks that are in progress.

- **code 0022 Symmetrix busy, Retry Later**
  The storage system is busy with an active migration.

- **code 0024 Space not sufficient**
  The array has insufficient space to complete the device expansion.

- **code 0025 Symmetrix busy, Retry Later**
  The storage system is busy with BPM.

- **code 0026 Expansion Delay**
  The start of the expansion took longer than was initially anticipated. So the expansion was cancelled.

- **code 0027 Flash Space not sufficient**
  The array has insufficient flash storage to be able to complete the expansion.

- **code 002C TDEV SYMMWIN CONTROL is set**
  The TDEV SYMMWIN Control is set, preventing the expansion from taking place.

- **code 002D Symmetrix busy, Retry Later**
  The storage system is busy with a pending code load.

- **code 002F Symmetrix busy, Retry Later**
  The storage system is busy with SYMMWIN currently in control. Usually this is caused by a reconfiguration script.
code 004B is Metro, in NDM, PPRC, Clone or RDF Active
The indicated relationship is active on the device so the expansion cannot complete.

code 005E Session Open
A session is open. Expansion cannot complete until that session is ended.

code 005F Imported Thin Illegal
An imported thin device cannot be expanded.

code 0060 Bad Mirror Location
A Bad Mirror Location error has prevented the expansion operation from taking place.

code 0061 VMWARE Illegal
VMWARE has prevented the expansion operation from taking place.

code 0062 Has pending deallocating tracks
Expansion cannot proceed when the device has pending, deallocating tracks.

code 0063 Deallocate in progress
Expansion cannot proceed when a deallocation process is in progress.

code 0064 Deallocate required
Expansion cannot take place until a deallocation process has taken place.

code 0065 RDP Clup in progress
An RDP Clup operation is in progress. Try the expansion operation once again once the RDP Clup operation ends.

code 0066 Has RDP Nodes
RDP nodes are not in the correct order. Try the expansion once again once the conflict is resolved.

code 0067 Has session in change
Try the expansion operation again, once the session has completed.

code 006D CU number is illegal
The supplied CU number either does not exist or is in the incorrect format. Correct the CU number and then try the expansion operation once again.

code 006F Non-CKD device
You can expand CKD devices only. However you have specified a non-CKD device in the command to start an expansion.

code 0070 Mixed Types not allowed
You can expand CKD devices only. However, you have specified a mix of CKD and FBA devices in the command to start an expansion.

code 0071 Mapped on EF exceeds limit
The expansion cannot occur due to the number of devices mapped on EF exceeds the limit.

code 0072 Alias for FBA not allowed
An alias for an FBA device is not allowed.
code 0073 In SG
    The specified device is part of a storage group.

code 0074 Not a 3390 device
    You can expand 3390 devices only.

code 0075 Dev size not allowed
    The new device size that you have specified is incorrect. Check the value and reissue the expansion command.

code 0076 Has Star SDDF session
    The specified device is in a star SDDF session and so cannot be expanded.

code 0077 Unsupported LREP relation
    The specified device is part of a local replication relationship that this release does not support.

code 0078 Invalid device
    The specified device is invalid.

code 79 RDF group in limbo
    The specified device is part of an SRDF group that is in limbo. Hence the expansion operation cannot occur.

code 007A RDF group in transmit idle
    The specified device is part of an SRDF group that is in the transmit idle state. Hence the expansion cannot occur.

code code device is not in a state that it can be expanded
    The device is in an usable state and so cannot be expanded. Code code is an internal code referring to the type of failure. However, carry out problem determination on the storage system.

code code Unknown Symmetrix Error
    An undefined error occurred. Check the system for more information and note the code code for debug purposes.

configured RDF group srdfgrp has only count cyls
    The device could not expand due to a configured R2 linked through SRDF group srdfgrp does not have more cylinders than the R1. An R1 with more cylinders than an R2 means that all cylinders in the R1, cannot be fully mirrored on the R2. You can expand the device by making the link to the R2 Not Ready.

configured RDF group, srdfgrp is 5977 or below
    The storage system that hosts the SRDF group is running HYPERMAX OS 5977. Device expansion of SRDF groups on HYPERMAX 5977 is not available.

configured RDF group srdfgrp is currently expanding
    The specified SRDF group srdfgrp is currently expanding.

configured RDF group srdfgrp is ineligible to expand
    The R1 side of an SRDF relationship must be the same size as the R1 side, or larger. To expand the SRDF group, you must specify RDFG(srdfgrp).
configured RDF group, srdfgrp is STAR
Expansion failed because the devices are on the second leg of the STAR environment.

expansion interrupted
The expansion operation was interrupted. Check the system for further information.

expansion took longer than 2 minutes
When an expansion operation begins, the system sets a completion time of 2 minutes. If that time expires before the expansion completes, it is considered a failure. However, the expansion may have completed after the time expired. Use the DEV,DIS,DEC command to verify whether the expansion was successful.

failure to expand an RDF mirror
The SRDF mirror of the specified device could not be expanded.

I/O error communicating with device
An I/O error occurred when verifying the device.

it is currently expanding
The specified device is currently expanding.

Lock Obtain Error, R15: r15 R0: r0 R1: r1
An error occurred when obtaining the device lock for the specified device. The codes in the reason are debugging information so make a note of them. You can use the REC,QRYDLOCK,LOCK9 command to view the availability of the device locks.

no controller connection available
The expansion operation could not communicate with the gatekeeper on the specified storage system.

RDF group srdfgrp is currently synchronizing
The SRDF group that you specified is currently synchronizing. Expansion cannot occur until this synchronization is complete.

RDF group srdfgrp is in an invalid relationship
This may be a result of an R1<->R1 or an R2<->R2 relationship from a failed swap, or a half swap.

RDF group srdfgrp not in configuration or not an R2
The SRDF configuration does not contain the SRDF group srdfgrp that you specified.

RDF is currently synchronizing
The SRDF group is currently synchronizing. Expansion cannot occur until this synchronization is complete.

SnapVX/Clone operation in progress
A SnapVX or TimeFinder/Clone event has undefined tracks and so the expansion cannot complete.

Symmetrix 5977 and below cannot expand with RDF
A device within an SRDF relationship cannot be expanded if the storage system is running HYPERMAX OS 5977 or an earlier level of the operating environment.
Symmetrix Aborted Expansion
The operating environment on the storage system terminated the expansion. Check the storage system for more information.

the R1 in RDF group srdfgrp is a 5977
The R1 side of the specified SRDF group is running HYPERMAX OS 5977. Device expansion of SRDF devices is not available on storage systems running HYPERMAX OS 5977.

the RDFG parameter is only supported on an R1
The RDFG parameter can only be specified on the R1 side of the SRDF group.

undefined device error
The specified device is not the correct type and so cannot be expanded.

Action
Fix the problem depending on the reason.

SCF0465I
Device ddddd has been expanded to ccccc cylinders

Cause
Device expansion has completed for the specified device, and it now has ccccc cylinders.

Action
None

SCF0467I
Attempting to expand nn device(s)

Cause
The device expansion operation is now going to expand the specified number of devices using the EXPAND command.

Action
None.

SCF0468I
Expansion already in progress, waiting.

Cause
An expansion operation is already in operation on the LPAR. The ENQ should prevent other SCF’s on the same LPAR from running expansions. The operation is queued. The system waits for the currently running operation to complete before beginning the second one.

Action
None.
SCF0469E

Over 256 devices specified, reissue with the ,FORCE parameter to proceed

**Cause**

A DEV,EXPAND command was issued with more than 256 devices specified. It is recommended to expand no more than 256 devices at a time.

**Action**

Specify less than 256 per command, or reissue the command with the FORCE option specified.

SCF0493W

Value specified for [WARNING|MINOR|MAJOR] threshold is invalid; it must be numeric between 2 and 720.

**Cause**

An invalid threshold value was specified in the SCF.DSE.WARNING, SCF.DSE.MINOR, or SCF.DSE.MAJOR initialization parameter.

**Action**

Change the specified value to a number between 2 and 720.

SCF0494W

Value specified for [MINOR|MAJOR] threshold must be greater than the value specified for [WARNING|MINOR] threshold.

**Cause**

The value specified for SCF.DSE.MINOR must be greater than the value specified for SCF.DSE.WARNING, and the value specified for SCF.DSE.MAJOR must be greater than the value specified for SCF.DSE.MINOR.

**Action**

Check both threshold values and increase the indicated value.

SCF0495I

Warning DSE Spillover has been occurring on nnnnnnn-nnnnn for NN minutes.

**Cause**

SCF has observed used tracks in the spillover (DSE) pools on the specified storage system for a time period equal to or greater than the threshold level specified in the INI file for the WARNING level.
**Action**
The action is dictated by the user's standard operating procedure (SOP) for a DSE spillover occurrence.

**SCF0496W**

**Minor DSE Spillover has been occurring on nnnnnnnn-nnnnn for NN minutes**

**Cause**
SCF has observed used tracks in the spillover (DSE) pools on the specified storage system for a time period equal to or greater than the threshold level specified in the INI file for the MINOR level.

**Action**
The action is dictated by the user's standard operating procedure (SOP) for a DSE spillover occurrence.

**SCF0497E**

**Major DSE Spillover has been occurring on nnnnnnnn-nnnnn for NN minutes**

**Cause**
SCF has observed used tracks in the spillover (DSE) pools on the specified storage system for a time period equal to or greater than the threshold level specified in the INI file for the MAJOR level.

**Action**
The action is dictated by the user's standard operating procedure (SOP) for a DSE spillover occurrence.

**SCF0498I**

**DSE Spillover has stopped on nnnnnnnn-nnnnn**

**Cause**
DSE spillover has stopped on the indicated device.

**Action**
None.

**SCF0580I**

**LFC ccccc-ccccc-ccccc-ccccc (fffffffe) FEATURE ENABLED**

**Cause**
This message is issued at startup and after an INI,REFRESH operator command to indicate that a feature has been enabled using the SCF.LFC.LCODES.LIST specification.

cccc-ccccc-ccccc-ccccc
The feature code specified in the SCFINI startup parameters.

A feature code descriptive string.

**Action**
None.

**SCF0581I**

LFC `cccc-cccc-cccc-cccc (ffffffff) FEATURE REMOVED`

**Cause**
This message is issued after an INI,REFRESH operator command to indicate that a feature code has been removed from the SCF.LFC.LCODES.LIST specification `cccc-cccc-cccc-cccc` the feature code which was removed from the SCFINI startup parameters.

A feature code descriptive string.

**Action**
If the feature is to be re-enabled, then it must be added to the SCFINI file prior to issuing the INI,REFRESH command.

**SCF0582W**

LFC `cccc DOES NOT MATCH ANY KNOWN FEATURES`

**Cause**
This message is issued at startup and after an INI,REFRESH operator command to indicate that a feature has been specified using SCF.LFC.LCODES.LIST which is not recognized as a valid feature code. `cccc` represents the feature code specified in the SCFINI startup parameters.

**Action**
Verify that the feature specified on the SCF.LFC.LCODES.LIST is a valid value and ensure the correct version of ResourcePak Base is being used. If the reason for this message cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

**SCF0583E**

LFC `cccc INVALID. FEATURE PROCESSING TERMINATED.`

**Cause**
This message is issued at startup and after an INI,REFRESH operator command to indicate that a feature has been specified using SCF.LFC.LCODES.LIST has not been validly specified. `cccc` represents the first 32 characters of feature code which was
specified in the SCFINI startup parameters. Feature processing stops at the input parameter where this occurs.

**Action**
Verify that the feature specified on the SCF.LFC.LCODES.LIST is a valid value. If the reason for this message cannot be determined, contact Dell EMC Customer Support Center for technical assistance.

### SCF0600S

| CSC (ccccccc-ccccc) | rrrrrrrr INTERNAL ERROR 'fffffff' xxbxxxx, yyyyyyy, zzzzzzz |

**Cause**
An internal error has occurred for the indicated CSC (Cross System Communication) component.

| rrrrrrrr | Specifies the routine where the error was detected. |

| ffffffff | Specifies diagnostic information indicating the type. |

| xxbxxxx, yyyyyyy, zzzzzzz | Specifies specific diagnostic information relating to the error. |

**Action**
If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center.

### SCF0602E

| CSC (ccccccc-ccccc) | UNABLE TO OBTAIN EXCLUSIVE USE OF CONTROLLER |

**Cause**
CSC cannot initialize for the indicated storage system as another CSC is currently active.

**Action**
If this occurs often, contact the Dell EMC Customer Support Center for technical assistance.

### SCF0603W

| CSC (ccccccc-ccccc) | UNABLE TO LOCATE A GATEKEEPER DEVICE DURING INITIALIZATION |

**Cause**
The CSC could not locate a gatekeeper device during initialization. The gatekeeper is used by the CSC to access its internal data structures in the storage system. The CSC will complete initialization until a gatekeeper device becomes available.
Action
The CSC will re-attempt to locate a gatekeeper at regular intervals. The above message will be displayed at 5 minute intervals if a gatekeeper cannot be located.

Note
When SCF.CSC.VERBOSE is set to NO, SCF0603W is only displayed once when the condition is detected and after each CSC, REFRESH command is entered.

If a list of gatekeeper PowerMax/VMAX device numbers is specified in the SCFINI startup parameter file using the SCF.CSC.GATEKEEPER.LIST keyword, then ensure that the set of listed devices is valid and are available on the storage system. If SCFINI changes are required, these may be activated using the INI,REFRESH operator command.

SCF0604E

CSC (cccccccc-ccccc) UNABLE TO LOCATE A GATEKEEPER DEVICE DURING PROCESSING

Cause
The CSC could not locate a gatekeeper device during processing. The gatekeeper is used by the CSC to access its internal data structures in the storage system. The CSC will not continue to retry the gatekeeper location logic until a gatekeeper device becomes available. This message is displayed if the CSC had successfully registered, but either an error occurred on the original gatekeeper or a CSC,REFRESH operator command was entered and the CSC can no longer locate a suitable gatekeeper.

If a gatekeeper device cannot be located within a reasonable period of time, this host registration will be removed by another CSC-registered host. This period of time is calculated as a value greater than 20 times the value specified or defaulted on the SCFINI startup parameter file SCF.CSC.IDLEPOLL keyword.

Action
The CSC will re-attempt to locate a gatekeeper at regular intervals. The above message will be displayed at 5 minute intervals if a gatekeeper cannot be located. After a device is located, message SCF0652I will be displayed.

Note
When SCF.CSC.VERBOSE is set to NO, SCF0604E is only displayed a single time when the condition is detected and after each CSC, REFRESH command is entered.

If a list of gatekeeper PowerMax/VMAX device numbers is specified in the SCFINI startup parameter file using the SCF.CSC.GATEKEEPER.ccccc.LIST keyword, ensure that the set of listed devices is valid and available on the storage system. If SCFINI changes are required, these may be activated using the INI,REFRESH operator command followed by a CSC,REFRESH operator command. If another host removes this host's registration, then the CSC will automatically re-register after the gatekeeper is selected.
SCF0605W

CSC (ccccccc-ccccc) MCLEVEL DOES NOT SUPPORT CROSS SYSTEM COMMUNICATION

Cause
The CSC could not initialize on the indicated storage system as the operating environment level is too low. The CSC is supported on storage systems at Enginuity 5x64 or later level of the operating environment.

Action
None.

SCF0606E

CSC (ccccccc-ccccc) BAD VALUE SPECIFIED FOR KEYWORD kkkkkkk[,, eeeeee]

Cause
CSC could not process the indicated keyword kkkkkkk due to a bad value. Where a default or existing value can be used, this is indicated by eeeeee.

Action
Examine the SCFINI file for the indicated keyword and fix the specified value. An INI,REFRESH will be required to activate the changes.

SCF0610E

CSC (ccccccc-ccccc) UNABLE TO REGISTER HOST, THIS HOST STILL ACTIVE

Cause
CSC cannot initialize as this host is already active.

Action
Examine the current host to determine if another SCF is already active for the same storage system and contact Dell EMC Customer Support Center for technical assistance.

SCF0611E

CSC (ccccccc-ccccc) UNABLE TO REGISTER HOST, NO EMPTY SLOTS

Cause
CSC cannot initialize as there are too many hosts active for the indicated storage system.

Action
Contact the Dell EMC Customer Support Center for technical assistance. If there are no other hosts currently active using the CSC, it might be necessary to reformat the
CSC communication area by using the SCF.CSC.REFORMAT specification in the SCFINI startup parameters to remove residual inactive hosts.

**SCF0612E**

CSC (cccccccc-cccccc) READ FAILED, RC:xxxxxxxx, RS:yyyyyyyyy

**Cause**
The CSC communication area cannot be read.

**Action**
Examine other messages to determine if an I/O error occurred during CSC processing. This message might be issued if the CSC gatekeeper device experiences an error. In this case, CSC locates another gatekeeper device automatically. If the reason for the error cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

**SCF0613E**

CSC (cccccccc-cccccc) WRITE/SWAP FAILED, RC:xxxxxxxx, RS:yyyyyyyyy

**Cause**
The CSC communication area cannot be written to.

**Action**
Examine other messages to determine if an I/O error occurred during CSC processing. This message might be issued if the CSC gatekeeper device experiences an error. In this case, CSC locates another gatekeeper device automatically. If the reason for the error cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

**SCF0614E**

CSC (cccccccc-cccccc) WRITE FAILED, RC:xxxxxxxx, RS:yyyyyyyyy

**Cause**
The CSC communication area cannot be written to.

**Action**
Examine other messages to determine if an I/O error occurred during CSC processing. This message might be issued if the CSC gatekeeper device experiences an error. In this case, CSC locates another gatekeeper device automatically. If the reason for the error cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

**SCF0615I**

CSC (cccccccc-cccccc) HOST (hhhhhhhhhhhhhhhhh) REGISTERED SUCCESSFULLY
Cause
CSC initialization has been successful. The host identifier used by this host is indicated by hhhhhhhhhhhhhh.

Note
This message is not output, or is output at a reduced frequency when SCF.CSC.VERBOSE=NO.

Action
None.

SCF0616W

CSC (cccccccc-cccc) HOST (hhhhhhhhhhhhhhhh) REGISTRATION LOST, ATTEMPTING RE-REGISTRATION

Cause
The CSC host registration has been lost during processing. This could indicate that a short system outage occurred and another system unregistered this host.

Action
The CSC attempts to register this host. Additional messages appear to indicate if the re-registration was successful. If this occurs often, the idle polling period may be too long for this host. Examine the SCF.CSC.IDLEPOLL parameter to determine if this value is too large. The default value (5 seconds) should be used where possible. If the reason for the error cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

SCF0617W

CSC (cccccccc-cccc) IDLE POLL PERIOD IS LESS THAN ACTIVE POLL PERIOD, DEFAULTS APPLIED

Cause
The specified SCF.CSC.IDLEPOLL value is not valid as it has been specified as a value less than the specified, or defaulted, SCF.CSC.ACTIVEPOLL. The default values for SCF.CSC.IDLEPOLL and SCF.CSC.ACTIVEPOLL will be used.

Action
Change the SCF.CSC.IDLEPOLL value to be greater than the SCF.CSC.ACTIVEPOLL value or specify SCF.CSC.ACTIVEPOLL to be less than the desired SCF.CSC.IDLEPOLL value.

SCF0618W

CSC (cccccccc-cccc) IDLE POLL PERIOD IS TOO LARGE, DEFAULTS APPLIED

Cause
The specified SCF.CSC.IDLEPOLL value is not valid. The default value is being used.
**Action**
Specify an SCF.CSC.IDLEPOLL value less than 128 seconds.

---

**SCF0620S**

CSC (ccccccc-ccccc) UNABLE TO ACQUIRE SEL LOCK - RC:xxxxxxx,
RS:xxxxxxx, SESSION ID:zzzzzzzz

**Cause**
The CSC cannot obtain the storage system serialization lock, where xxxxxxxx specifies the PowerMax/VMAX lock session ID.

**Action**
Examine other messages to determine if an I/O error occurred during CSC processing. This message might be issued if the CSC gatekeeper device experiences an error. In this case, CSC locates another gatekeeper device automatically. If the reason for the error cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

---

**SCF0621S**

CSC (ccccccc-ccccc) UNABLE TO RELEASE SEL LOCK - RC:xxxxxxx,
RS:yyyyyyyy

**Cause**
The CSC cannot release the PowerMax/VMAX serialization lock.

**Action**
Examine other messages to determine if an I/O error occurred during CSC processing. This message might be issued if the CSC gatekeeper device experiences an error. In this case, CSC locates another gatekeeper device automatically. If the reason for the error cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

---

**SCF0622S**

CSC (ccccccc-ccccc) UPDATE NOT AN 8 BYTE MULTIPLE

**Cause**
The CSC has experienced an internal error.

**Action**
The CSC generates a user abend U0622 and attempts to restart. Contact the Dell EMC Customer Support Center for technical assistance.

---

**SCF0623S**

CSC (ccccccc-ccccc) HEART BEAT, INVALID HRR OFFSET: xxxxxxxxx

---
**Cause**
The CSC has experienced an internal error, where \textit{xxxxxx} specifies the HRR (Host Registration Record) error offset.

**Action**
The CSC generates user abend U0623 and attempts to restart. Contact the Dell EMC Customer Support Center for technical assistance.

### SCF0630E

<table>
<thead>
<tr>
<th>CSC (ccccc-cccccc) REQUEST xxxxx PROCESSED, NO LONGER IN CSC SCRATCH AREA</th>
</tr>
</thead>
</table>

**Cause**
A request has been processed by this CSC, where \textit{xxxxxx} specifies the internal request number. However, the request is no longer active for the originating host.

**Action**
The originating host may have been unregistered during the processing phase of the request, or the request may have timed out. This is not normally an error and should be handled correctly by the application using the CSC. However, if this occurs frequently, contact the Dell EMC Customer Support Center for technical assistance.

### SCF0631W

<table>
<thead>
<tr>
<th>CSC (cccccccc-cccccc) SCRATCH AREA (0000000,1111111) NOT FORMATTED FOR CROSS SYSTEM COMMUNICATION</th>
</tr>
</thead>
</table>

**Cause**
The CSC area in the storage system is not formatted. This occurs during the initial startup of the CSC.

**Action**
The CSC will format the area. However, if this occurs frequently, contact the Dell EMC Customer Support Center for technical assistance.

### SCF0632E

<table>
<thead>
<tr>
<th>CSC (cccccccc-cccccc) SCRATCH AREA (0000000,1111111) HOST REGISTRATION RECORD (xx) NOT VALID</th>
</tr>
</thead>
</table>

**Cause**
The CSC area is not valid.

**Action**
The CSC will reformat the area, if possible. Other messages will be displayed to indicate the success or failure of the formatting. Contact the Dell EMC Customer Support Center for technical assistance.
SCF0633W

CSC (ccccccc-ccccc) ACTIVE HOST COUNT MISMATCH, EXPECTED xx, GOT yy

Cause
The CSC has detected a mismatch in the number of active (registered) hosts.

Action
CSC automatically updates the count to the correct value.

SCF0634E

CSC (ccccccc-ccccc) SCRATCH AREA (oooooooo, llllllll) INUSE BY ANOTHER APPLICATION

Cause
The CSC communication area cannot be used.

Action
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

SCF0635E

CSC (ccccccc-ccccc) HOST REGISTRATION VALIDATION ERROR RS: yyyyyyyyy

Cause
An error has occurred while validating the CSC communication area.

Action
Depending on the error, the CSC might attempt to re-register. Contact the Dell EMC Customer Support Center for technical assistance.

SCF0636E

CSC (ccccccc-ccccc) SCRATCH AREA (oooooooo, 11111111) FORMAT xx INCOMPATIBLE WITH yy

Cause
The CSC cannot initialize because its format is incompatible with the current communication area.

xx
Specifies the current format release formatted in the CSC communication area.

yy
Specifies the format release required by the version of SCF being started.
**Action**
Examine the CSC installation to ensure that the correct version of SCF is being activated. If there are no other hosts currently active using the CSC, it might be necessary to reformat the CSC communication area by using the SCF.CSC.REFORMAT specification in the SCFINI startup parameters. Contact the Dell EMC Customer Support Center for technical assistance.

**SCF0637E**

CSC (cccccccc-cccccc) SCRATCH AREA (ooooooooo,1111111) HOST REGISTRATION AREA NOT VALID

**Cause**
The CSC communication area is not valid.

**Action**
The CSC will attempt to reformat the area to correct the problem. Contact the Dell EMC Customer Support Center for technical assistance.

**SCF0638E**

CSC (cccccccc-cccccc) SCRATCH AREA (ooooooooo,1111111) DYNAMIC REQUEST AREA NOT VALID

**Cause**
The CSC communication area is not valid.

**Action**
The CSC will attempt to reformat the area to correct the problem. Contact the Dell EMC Customer Support Center for technical assistance.

**SCF0639I**

CSC (cccccccc-cccccc) REUSING PREVIOUSLY REGISTERED HOST ENTRY

**Cause**
The initializing CSC will reuse its previous registration record. This can occur if SCF is restarted after a system failure.

**Action**
None.

**SCF0640W**

CSC (cccccccc-cccccc) REQUEST xxxxx PROCESSED, ORIGINATING HOST (hhhhhhhhhhhhhhhhhhhhhhhh) NO LONGER REGISTERED

**Cause**
A request has been processed by this CSC, but the request is no longer active for the originating host.
Action
The originating host may have been unregistered during the processing phase of the request. This is not normally an error and should be handled correctly by the application using the CSC. However, if this occurs frequently, contact the Dell EMC Customer Support Center for technical assistance.

SCF0641E

CSC (ccccccc-cccc) DRA RECORD OFFSET xxxxxxxx INVALID, EXPECTING 'iiii', GOT X'yyyyyyyy'

Cause
An internal formatting error occurred during CSC processing.

x xxxxxxxx
The offset in CSC communication area at which error is detected.

iiii
The expected area eyecatcher (character format).

X'yyyyyyyy'
The actual area eyecatcher (hex format).

Action
The CSC attempts to reformat the communication area to resolve the problem. Contact the Dell EMC Customer Support Center for technical assistance.

SCF0642E

CSC (ccccccc-cccc) DRA FREE AREA INVALID, EXPECTING xxxxxxxx, GOT yyyyyyyyy

Cause
An internal formatting error has occurred during CSC processing, where xxxxxxxx specifies the expected free space and yyyyyyyyy specifies the actual free space. The free area value for the internal structures has been incorrectly stored. This might occur due to a system failure during CSC processing.

Action
The CSC will recalculate the free space to resolve the problem. If this occurs frequently, contact the Dell EMC Customer Support Center for technical assistance.

SCF0643W

CSC (ccccccc-cccc) UNABLE TO ACQUIRE SEL LOCK. HELD FOR ssssssss SECONDS BY HOST UNKNOWN (LOCKID xxxxxxxx) CSC (ccccccc-cccc) UNABLE TO ACQUIRE SEL LOCK. HELD FOR ssssssss SECONDS BY HOST nnnn(hhhhhhhhhhhhhhhhh)

Cause
The CSC cannot serialize with the indicated storage system communication area.
This error can occur as a result of a system failure during CSC serialization processing. The CSC will free the serialization lock after the time specified, or defaulted, by the SCF.CSC.SELTIMEOUT specification in the SCFINI startup parameters (see message SCF0647W). If the holder of the lock is known, then the host is indicated by nnnn (hhhhhhhhhhhhhh); otherwise, the lock holder is unknown and its current lock ID is indicated by xxxxxxxx. The lock ID in this instance is internal to the CSC and could indicate another Dell EMC product serializing the storage system communication area. If SCF.CSC.VERBOSE is set to NO, SCF0643W is issued only when the CSC lock hold time reaches half the SCF.CSC.SELTIMEOUT value, rather than after 10 seconds.

**Action**

Examine the host indicated in the message to determine if a failure has occurred on that host or if SCF is not being dispatched with a high enough priority.

### SCF0644W

**CSC (cccccccc-cccc) NO LONGER ACTIVE FOR ASID xxxx ON THIS HOST**

**Cause**

The indicated ASID (address space identifier) is no longer an active SCF address space. The CSC will automatically clean up the relevant registration records.

**Action**

None.

### SCF0645W

**CSC (cccccccc-cccc) HOST nnnn (hhhhhhhhhhhhhh) MISSING HEART BEAT FOR sssssssss SECONDS**

**Cause**

The indicated host was missing for the indicated period of time. The CSC does host checking at regular intervals to ensure that missing hosts are automatically cleaned up (see message SCF0646W). If this occurs often, then the indicated host SCF.CSC.IDLEPOLL period may need to be increased as it cannot sustain polling at its current rate.

**Note**

This message is not output, or is output at a reduced frequency when SCF.CSC.VERBOSE=NO.

**Action**

None.

### SCF0646W

**CSC (cccccccc-cccc) HOST nnnn (hhhhhhhhhhhhhh) REMOVED, MISSING HEART BEAT FOR sssssssss SECONDS**
Cause
The indicated host has been missing for the indicated period, and will be unregistered and all its resources in the communication area freed up.

Action
None.

SCF0647W

CSC (ccccccc-ccccc) SEL LOCK FORCE RELEASED, HELD FOR sssssss SECONDS

Cause
The CSC communication area lock has been held for a period greater than that specified by the SCF.CSC.SELTIMEOUT specification in the SCFINI startup parameters. The CSC will automatically release the lock.

Action
This message might be issued if the SCF.CSC.SELTIMEOUT value is too short. If this occurs often, the value might need to be increased.

SCF0648E

CSC (ccccccc-ccccc) DRA AREA OFFSET xxxxxxxxx INVALID ID for ID iii, EXPECTING>=yyyyyyyy

Cause
The CSC communication area is not valid.

xxxxxxx
   The offset in CSC communication area.

iii
   The area ID.

yyyyyyyy
   The minimum offset which was expected.

Action
The CSC will attempt to reformat the area to correct the problem. Contact the Dell EMC Customer Support Center for technical assistance.

SCF0649E

CSC (ccccccc-ccccc) SCRATCH AREA (ooooooo,1111111) REFORMATTED DUE INVALID DYNAMIC AREA

Cause
The CSC communication area has been reformatted due to a previously detected error.
**Action**

Use other messages to determine the reason for the reformatting. If this occurs often or the reason cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

---

**SCF0650W**

CSC (ccccccc-cccc) SCRATCH AREA (ooooooooo,11111111) REFORMAT REQUEST IGNORED, AREA IS IN USE

**Cause**

A request to reformat the CSC communication area through the SCF.CSC.REFORMAT specification in the SCFINI startup parameters cannot be performed. The area is currently being used by other CSC hosts.

**Action**

The communication area can only be reformatted when there are no SCF hosts actively using the area. If a reformat is necessary, enter the CSC operator command CSC,DISPLAY,HOSTS to determine the SCF to stop to enable the reformat to be performed.

---

**SCF0651I**

CSC (ccccccc-cccc) SCRATCH AREA (ooooooooo,11111111) HAS BEEN FORMATTED

**Cause**

The CSC has reformatted the communication area.

**Action**

None.

---

**SCF0652I**

CSC (ccccccc-cccc) AREA:ooooooooo/11111111, GATEKEEPER: sdddd[;rr.rr...] (ssssss/mXmm/pppp/xx)

**Cause**

Indicates the CSC communication area offset (ooooooo), length (1111111) and the gatekeeper device being used by the CSC. sssss, mXmm, pppp, and xx are output for diagnostic purposes.

- **sdddd**
  - The z/OS device number.

- **rr.rr...**
  - For remote storage systems, this specifies the remote storage system hop list.

- **ssssss**
  - The Symmetrix level (Symm03/Symm04/Symm05/Symm07).

- **mXmm**
A normalized operating environment level. X is always the second digit value.

**pppp**
- The CSC diagnostic patch level.

**xx**
- The diagnostic feature flag.

**Action**
- None.

**SCF0653W**

CSC (ccccccc-ccccc) LISTENER lll (xxxxxxx) REMOVED DUE TO ERROR DURING PROCESSING

**Cause**
The CSC has removed an application listener as it has abended or is no longer active.

- **lll**
  - The listener number (0-255).

- **xxxxxxx**
  - The listener name.

**Action**
- If the reason for the listener failing cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

**SCF0654W**

CSC (ccccccc-ccccc) GATEKEEPER dddd (eeee) SWAP DETECTED.

**Cause**
During cross-system communication processing, the gatekeeper device (dddd) has been swapped, for example, by AutoSwap processing. CSC attempts to use the complement device (eeee; the target of the swap) and continue processing. If this is not successful then a new gatekeeper device will be selected.

**Action**
- None.

**SCF0655W**

CSC (ccccccc-ccccc) SEL LOCK LOST, HELD FOR X SECONDS

**Cause**
During cross-system communication processing, the PowerMax/VMAX serialization lock was lost. This indicates that another host has stolen the lock as there was not enough activity from this host. The time period this host held the lock prior to
detecting this condition is indicated by x. The CSC will reverify its access to the cross-systems communication area. If necessary, this host will re-register itself.

**Action**
Check for other messages generated by SCF and z/OS to determine the cause for this failure (for example, there were no paths available to the device for a short period of time). If a value for SCF.CSC.SELTIMEOUT has been specified, ensure that the value is not too small.

---

**SCF0657W**

*CSC (cccccc-ccccc) SEL LOCK QUICK CONFIG MISMATCH, HELD FOR sssss SECONDS*

**Cause**
During processing, the SEL lock held by the current host was refreshed. This causes a change in the CSC to PowerMax/VMAX verification token associated with the lock. This can occur when a lock is held for a long period of time.

**Action**
This message is only generated when CSC debugging is active. Debugging should only be performed when directed by Dell EMC. Contact the Dell EMC Customer Support Center for technical assistance.

---

**SCF0658W**

*CSC (cccccc-ccccc) UNABLE TO REFRESH SEL LOCK -RC:xxxxxxxx, RS:yyyyyyyy*

**Cause**
During processing, the SEL lock held by the current host was attempting to be refreshed, but failed with the indicated RC (*xxxxxxxx*) and RS (*yyyyyyyy*) code. A refresh was being performed as the current host was holding the lock for a longer than usual time period, and was still processing work. See message SCF0620S for possible failure reasons.

**Action**
This message is only generated when CSC debugging is active. Debugging should only be performed when directed by Dell EMC. Contact the Dell EMC Customer Support Center for technical assistance.

---

**SCF0659W**

*CSC (cccccc-ccccc) ATTENTION INTERFACE rrrrrrrr*

**Cause**
CSC is establishing connection with the storage system attention interface to allow for enhanced CSC communication performance. This message may be displayed during EMCSCF startup, shutdown, or when the EMCSCF CSC or INI REFRESH command is entered. Some forms of this message are informational only and are displayed if SCF.CSC.VERBOSE=YES is specified.
NOT AVAILABLE
The SRX environment under SCF that manages the attention processing has stopped and CSC cannot establish an attention listener. Refer to other messages in the syslog to determine the reason for the failure. This is displayed only if SCF.CSC.VERBOSE=YES is active.

PATHGROUP TO GATEKEEPER ESTABLISHED
CSC established a pathgroup with its offline gatekeeper for the storage system attention interface. Following pathgroup processing, CSC will perform a self-test to ensure that attention processing is functioning correctly. This is displayed only if SCF.CSC.VERBOSE=YES is active.

PATHGROUP TO PRIOR GATEKEEPER DISBANDED
CSC has disbanded the pathgroups that it established previously. This can be displayed whenever a CSC,REFRESH operator command is issued or when EMCSCF is being stopped. This is displayed only if SCF.CSC.VERBOSE=YES is active.

PERFORMING SELF TEST DUE TO MISSING EVENTS
CSC is performing a self-test of the attention interface. This has occurred as a number of events have been processed by CSC that expected processing through the attention interface but none was received.
Other messages may follow the self-test to indicate if the processing was recovered or failed. This is displayed only if SCF.CSC.VERBOSE=YES is active.

PREFERRED DEVICE ALREADY RESET
CSC is attempting to reset a prior set preferred attention device. However the device was already reset. This can occur where multiple EMCSCF are running on an LPAR. Preferred attention support was already inactive on this LPAR for this storage system. This is displayed only if SCF.CSC.VERBOSE=YES is active.

PREFERRED DEVICE CHANGED TO GATEKEEPER
CSC has changed the preferred attention device for the storage system attention interface. A preferred device was set to a device other than the current gatekeeper. This is displayed only if SCF.CSC.VERBOSE=YES is active.

PREFERRED DEVICE ESTABLISHED TO GATEKEEPER
CSC has set its gatekeeper as the preferred attention device for the storage system attention interface. Following this processing CSC will perform a self-test to ensure that attention processing is functioning correctly. This is displayed only if SCF.CSC.VERBOSE=YES is active.

PREFERRED DEVICE NOW RESET
CSC successfully reset its gatekeeper as the preferred attention device for the storage system attention interface. Preferred attention support is no longer active on this LPAR for this storage system. This is displayed only if SCF.CSC.VERBOSE=YES is active.

PREFERRED DEVICE REESTABLISHED TO GATEKEEPER
CSC lost and re-established its gatekeeper as the preferred attention device for the storage system attention interface. This is displayed only if SCF.CSC.VERBOSE=YES is active.

PREFERRED DEVICE SET TO NON GATEKEEPER
CSC attempted to set its gatekeeper as the preferred attention device for the storage system attention interface. However, following this processing it was noted that another device is the preferred device. This could indicate that another EMCSFC on this LPAR is setting its gatekeeper to be the preferred attention device. CSC performs a self test to ensure that the attention interface is functioning correctly. Additional messages will be issued if the self test fails. This is displayed only if SCF.CSC.VERBOSE=YES is active.

**PREFERRED DEVICE STATUS IS UNKNOWN**

CSC attempted to set its gatekeeper as the preferred attention device for the storage system attention interface. However, following this processing CSC could not verify this processing. This could occur if the query interface that CSC uses times out. CSC performs a self test to ensure that the attention interface is functioning correctly. Additional messages will be issued if the self test fails. This is displayed only if SCF.CSC.VERBOSE=YES is active.

**SELF TEST FAILED DUE TO NO ONLINE DEVICES**

CSC performed a self-diagnostic test with the storage system attention interface which failed due to no online devices (at least one device on the storage system must be online).

CSC turns off attention processing support for the indicated storage system for this host and uses the polling mechanism for CSC communication.

SCF.CSC.ATTNPATHGRP=YES may be specified in the SCFINI file to allow CSC to establish a path group to its offline gatekeeper device. The device will logically be marked offline to z/OS.

**SELF TEST FAILED DUE TO PATHGROUP FAILURE**

CSC performed a self-diagnostic test with the storage system attention interface which failed due to no online devices (at least one device on the storage system must be online). SCF.CSC.ATTNPATHGRP=YES was specified and CSC attempted to establish a path group with its offline gatekeeper which failed.

CSC turns off attention processing support for the indicated storage system for this host and uses the polling mechanism for CSC communication.

You can use the CSC,REFRESH command to retry the self-test processing. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

**SELF TEST FAILED WITH ONLINE DEVICES**

CSC performed a self-diagnostic test with the storage system attention interface which failed even though there are devices online to the storage system. This could indicate a failure of the attention interface.

CSC turns off attention processing support for the indicated storage system for this host and uses the polling mechanism for CSC communication.

Verify that the devices indicated as online to the storage system are correctly online and not in SCP recovery. Use the z/OS DEVSERV GD command to check the current state of online devices. You can use the CSC,REFRESH command to retry the self-test processing. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

**SELF TEST FAILED WITH PATHGROUP ESTABLISHED**

CSC has failed the self-test processing after establishing the pathgroup to the offline gatekeeper. This could indicate a failure in the host or storage system attention processing.
CSC turns off attention processing support for the indicated storage system for this host and only uses the polling mechanism for CSC communication. You can use the CSC,REFRESH command retry the self-test processing. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

SELF TEST FAILED WITH PREFERRED DEVICE
CSC performed a self-diagnostic test with the storage system attention interface which failed even though a preferred attention device was set for the storage system. This could indicate a failure of the attention interface. CSC turns off attention processing support for the indicated storage system for this host and uses the polling mechanism for CSC communication. You can use the CSC,REFRESH command to retry the self-test processing. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

STOPPED
The SRX environment under SCF that manages the attention processing has stopped. This is normal during SCF shutdown. Refer to other messages in the syslog to determine the reason for this condition. This is displayed only if SCF.CSC.VERBOSE=YES is active.

UNLOCK LISTENER REINITIALIZED DUE TO MISSING EVENTS
Either message indicates CSC is reinitializing the attention unlock listener. This is being performed a number of events have been processed by CSC that expected processing through the attention interface but none was received. Other messages may follow the initialization to indicate if the processing was recovered or failed. This is displayed only if SCF.CSC.VERBOSE=YES is active.

UNLOCK LISTENER REINITIALIZING DUE TO MISSING EVENTS
Either message indicates CSC is reinitializing the attention unlock listener. This is being performed a number of events have been processed by CSC that expected processing through the attention interface but none was received. Other messages may follow the initialization to indicate if the processing was recovered or failed. This is displayed only if SCF.CSC.VERBOSE=YES is active.

UNLOCK LISTENER REMOVED DUE TO MISSING EVENTS
Either message indicates CSC failed to reinitialize the attention SEL listener through the attention interface. This could indicate a failure in the host or Symmetrix attention processing CSC continues to process without using the attention interface processing. This is displayed only if SCF.CSC.VERBOSE=YES is active.

UNLOCK LISTENER REMOVED DUE TO REINITIALIZATION FAILURE
Either message indicates CSC failed to reinitialize the attention SEL listener through the attention interface. This could indicate a failure in the host or Symmetrix attention processing CSC continues to process without using the attention interface processing. This is displayed only if SCF.CSC.VERBOSE=YES is active.

Action
See the reasons listed above. Where CSC is unable to use the storage system attention interface CSC turns off attention processing support for the indicated
storage system for this host and continues using the polling mechanism for CSC communication.

Where a self-diagnostic test failed, you can use the CSC,REFRESH command retry the self-test processing. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

SCF0660I

CSC HOST DISPLAY

<table>
<thead>
<tr>
<th>SCF0660I</th>
<th>CSC HOST DISPLAY</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONTROLLER SERIAL NUMBER : cccccccc-cccccc [(ii)]</td>
<td></td>
</tr>
<tr>
<td>[GATEKEEPER MVS DEVICE : sdddd SYM DEVICE: ssss]</td>
<td></td>
</tr>
<tr>
<td>[CONTROLER : ggggggg-ggggg]</td>
<td></td>
</tr>
<tr>
<td>[HOPLIST : rr.rr...]</td>
<td></td>
</tr>
<tr>
<td>HOST COUNT : hhh</td>
<td></td>
</tr>
</tbody>
</table>

Cause

This message is output as a result of an SCF,CSC,DISPLAY,HOSTS command. The number of SCF0660I messages output depends on whether CONTROLLER (CNTRL) was specified on the command:

- Where CONTROLLER (CNTRL) was specified, a SCF0660I message is output for each storage system (ccccccc-ccccc) known to SCF. The gatekeeper information accompanies each storage system output where CSC is active. Where the CSC has remote access to the storage system, the gatekeeper storage system is indicated by ggggggg-ggggg and the hoplist is indicated by rr.rr....

- Where CONTROLLER was not specified, a single SCF0660I message is output. All the controllers that participated in a response to the command will be listed in the storage system serial number list. The storage system index (ii) indicates which CSC storage system responded to the DISPLAY,HOSTS command. See Format 1 below to determine how this value is used.

The following formats show the results following this message as a multi-line write to operator.

Format 1

```
--------HOST---------- --REGISTRATION--- PROCESS [RESP]
NAME IDENTIFIER VRM HB MM/DD/YY HH:MM:SS TIME [CTRL]
-1- -- ------2------ --3- -4 ------5------- ------ [----]

nnnn rmmmmmmmmmmmmm vrm hb mm/dd/yy hh:mm:ss sss.ttt
[ ii ]yyyyyyyy
```

rmmmmmmmmmmmmm

Indicates the CSC assigned host ID. r is indicated as R if the host has remote access to the storage system. If the response was not through a remote storage system connection then R will not be displayed.

mm

The operating system type. 01 indicates MVS.

hhhhhhhhhh

The CPU serial number.

aaaa

The address space ID of the EMCSCF component.
**vrm**

The SCF version for the host. A suffix of M in this column indicates multiple storage system support. A suffix of A indicates attention on demand support.

**hb**

The idlepoll heartbeat value for the host. This was the value specified in SCF.CSC.IDLEPOLL on that host.

**mm/dd/yy hh:mm:ss**

The date and time at which the host registered.

**sss.ttt**

The processing time in seconds.

**ii**

Indicates the CSC storage system that responded first to the command. The ii value listed here corresponds to the (ii) that follows the 12-digit storage system serial number value. Note that this value displays only if the DISPLAY,HOSTS command did not specify a CONTROLLER(CNTRL).

**yyyyyyyy**

Displays when the host has not completed the request. Other messages may be displayed by the SCF on the host to indicate why the request was not completed. A longer timeout value may be required, which may be specified using the DISPLAY,HOSTS timeout option.

- **INCOMPL** indicates that the request was not completed by the host.
- **NORESP** indicates that the request was not accepted by the host.
- **CSC RS rr** indicates an unexpected condition.

---

**Format 2**

```
*** NO HOSTS ***
```

No hosts were active for the indicated CSC.

**Format 3**

```
*** CSC IS NOT ACTIVE ***
```

The CSC is not yet active, or SCF.CSC.ACTIVE=YES was not specified in the SCFINI startup parameters.

**Format 4**

```
*** CONTROLLER NOT FOUND ***
```

The storage system could not be located when supplied in the DISPLAY,CONTROLLER option.
Format 5

*** ERROR DURING CSC SIGNAL, RC: xxxxxxxx, RS:yyyyyyyy ***

An error has occurred.

Format 6

*** REQUEST TIMEOUT ***

The request could not be completed in a timely manner, as the local CSC host was busy.

Format 7

*** ERROR DURING CSC RETRIEVE, RC: xxxxxxxx, RS:yyyyyyyy ***

An error has occurred.

Format 8

*** NO RESPONSE FROM LOCAL CSC ***

The local CSC host is not responding to the request in a timely manner.

Format 9

*** CSC IS NOT ELIGIBLE ***

The local SCF host has not established a CSC session as the storage system is not eligible.

Format 10

*** CSC INITIALIZING ***
*** CSC HAS NO ACCESS TO CONTROLLER (INITIALIZING) ***

CSC is initializing.

Format 11

*** DEVICE LOCK TIMEOUT ***

Serialization to the SCF device configuration could not be obtained.

Format 12

*** CSC HAS NO ACCESS TO CONTROLLER (NO PATHS) ***
CSC could not communicate through the storage system, as there were no paths to any eligible CSC gatekeeper devices.

**Action**
The action depends on the format:

- **Format 1, 2, 3, 10** - None
- **Format 4** - Either remove the CONTROLLER specification (to get all storage systems) or specify a valid storage system.
- **Format 5, 7** - Contact the Dell EMC Customer Support Center for technical assistance.
- **Format 6, 8** - Specify a longer timeout value in the DISPLAY,TIMEOUT option.
- **Format 9** - This could indicate a non-Dell EMC storage system.
- **Format 11** - This could indicate that SCF device re-configuration is being performed. Reissue the command.
- **Format 12** - If a gatekeeper list has been specified to CSC, then verify access to the gatekeeper using the z/OS DEVSERV PATHS operator command. If the CSC gatekeeper list is too restrictive and there are paths available to other devices in the storage system, then the gatekeeper list may be updated and the INI file refreshed. When path access to the devices is restored, the CSC will automatically re-establish communication to the storage system.

**SCF0661E**

**CSC xxxxxxxxx COMMAND FAILED.**

**Cause**
This message indicates the CSC operator command is not valid.

**Action**
Examine the z/OS system log, or SCF joblog to determine the reason for the failure. Correct and re-enter the command.

**SCF0662E**

**CSC IS NOT ACTIVE**

**Cause**
The CSC command cannot be processed as the CSC is not currently active.

**Action**
If CSC is to be active, make sure that SCF.CSC.ACTIVE=YES has been specified in the SCFINI startup parameters. If SCF.CSC.ACTIVE=YES has been specified then SCF may not have completed initialization, or SCF has not located any Dell EMC storage systems. Examine the SCFINI startup parameter file to ensure the SCF.DEV.EXCLUDE.LIST and SCF.DEV.INCLUDE.LIST keywords have been correctly specified.
SCF0663I

text

Cause
This is the image of the entered CSC command.

Action
None.

SCF0664I

CSC LISTENER DISPLAY
CONTROLLER SERIAL NUMBER: ccccccc-cccccc

Cause
This message is output as a result of a SCF,CSC,DISPLAY,LISTENERS command. The following formats show the results following this message as a multi-line write to operator.

Format 1

<table>
<thead>
<tr>
<th>CODE</th>
<th>DIAGNAME</th>
<th>ASID</th>
<th>REGISTRATION</th>
<th>LISTENER TYPE</th>
<th>REQCOUNT</th>
<th>ATTRIBUTES</th>
<th>DUPCOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>cccc</td>
<td>xxxx</td>
<td>aaaa</td>
<td>mm/dd/yy hh:mm:ss</td>
<td>rrrrrrrr</td>
<td>ttt</td>
<td>n</td>
<td>yyy</td>
</tr>
</tbody>
</table>

ccc
The registered listener code (0-255).

xxxx
The registered listener name.

aaaa
The address space which registered the listener. NACT indicates that there is no active listener.

mm/dd/yy hh:mm:ss
The date and time at which the listener was registered. NREG indicates that the listener never registered.

rrrrrrr
The listener name or address. ?????? displays when the listener name cannot be determined.

ttt
The type of listener. ??? displays when the listener type cannot be determined.

n
Indicates requests received:
- **REQCOUNT** is the number of requests received for the listener on the storage system.
- **DUPCOUNT** is the number of duplicate requests received for the listener on the storage system. A duplicate request is one that was serviced by another storage system and was ignored by this storage system.

**yyv**

Indicates the attributes assigned to the listener by the application. Each attribute is separated by a slash `/`:

- **ALL** indicates that the application listener is applicable for all CSC managed storage systems.
- **NTFY** indicates that the CSC will automatically notify all listeners with the indicated code when this listener registered.

**Format 2**

```
*** CSC IS NOT ACTIVE ***
```

The CSC is not yet active, or SCF.CSC.ACTIVE=YES was not specified in the SCFINI startup parameters.

**Format 3**

```
*** NO ACTIVE LISTENERS LOCATED ***
```

The CSC has not completed initialization.

**Format 4**

```
*** CSC IS NOT ELIGIBLE ***
```

The local SCF host has not established a CSC session because the storage system is not eligible. This could indicate a non-Dell EMC storage system.

**Action**

The action depends on the format:

- Format 1 - Listeners are added by Dell EMC and other vendor code to support particular functions which are to be processed through the CSC. Usage of the SCF,CSC,DISPLAY,LISTENERS command may be requested by Dell EMC Customer Support.
- Format 2, 3, 4 - None.

---

**SCF0665I**

```
DEVICE RECONFIGURATION IN PROGRESS, COMMAND CANNOT BE PERFORMED AT THIS TIME
```
**SCF0666I**

*CSC REFRESH SCHEDULED FOR nnnn CONTROLLER(S)*

**Cause**
A CSC,REFRESH operator command was entered. Refresh processing has been scheduled for the specified storage systems.

**Action**
None.

**SCF0667I**

*CSC REFRESH NOT SCHEDULED, NO INITIALIZED CONTROLLERS LOCATED*

**Cause**
A CSC,REFRESH operator command was entered; however, no active CSC storage systems could be located. The CSC,REFRESH command is only valid if CSC.ACTIVE=YES was specified in the SCFINI startup parameter file and there are active (initialized) CSC storage systems.

**Action**
If CSC is to be active, make sure that SCF.CSC.ACTIVE=YES has been specified in the SCFINI startup parameters. If SCF.CSC.ACTIVE=YES has been specified then SCF may not have completed initialization, or SCF has not located any Dell EMC storage systems. Examine the SCFINI startup parameter file to ensure the SCF.DEV.EXCLUDE.LIST and SCF.DEV.INCLUDE.LIST keywords have been correctly specified.

**SCF0668I**

*CSC xxxxxxxxx COMMAND COMPLETED*

**Cause**
This message indicates the completion of a CSC command. This is output at the completion of CSC multi-line output, for example as a result of a CSC,DISPLAY,HOSTS or CSC,DISPLAY,LISTENERS command.

**Action**
None.

**More Information**
If the output contains a SET column, this value \(n\) is derived from the user's SCF INI file from the configuration statement: SCF.CSC.INSTANCE=\(n\)
SCF0669I

CSC ACTIVATION INITIATED

Cause
A CSC activation requested has been accepted using the CSC,REFRESH operator command.

Action
None.

SCF0670E

CSC (ccccccc-cccc) FAILED TO ESTABLISH LISTENER 111, RC:xxxxxxxx, RS:yyyyyyyy

Cause
CSC could not register its static list of listeners, where 111 specifies the listener attempting registration (0-255).

Action
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

SCF0680S

INVALID CSC LISTENER REQUEST 'xxxxxxxxx'

Cause
An internal CSC error has occurred, where xxxxxxxx specifies a diagnostic error string. This is also externalized through a user abend U0680.

Action
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

SCF0690I

CSC (ccccccc-cccc) HOST nnnn (hhhhhhhhhhhhhh) IS NOW REGISTERED

Cause
The indicated CSC host has registered.
Note
This message is not output, or is output at a reduced frequency when SCF.CSC.VERBOSE=NO.

Action
None.

SCF0695I

CSC (cccccccc-ccccc) HOST nnnn (hhhhhhhhhhhhhhhh) IS NOW UNREGISTERED

Cause
The indicated CSC host has unregistered.

Note
This message is not output, or is output at a reduced frequency when SCF.CSC.VERBOSE=NO.

Action
None.

SCF0696W

CSC (cccccccc-ccccc) HOST nnnn (hhhhhhhhhhhhhhhh) HAS BEEN UNREGISTERED BY HOST jjjj (kkkkkkkkkkkkkkk)

Cause
The indicated CSC host nnnn has been unregistered by host jjjj. This is probably due to host nnnn terminating prior to completing exit cleanup.

Action
None.

SCF0699E

SCF stale configuration detected.

Cause
An internal device services call to the CSC component has detected a stale SCF configuration. This is detected as a UCB contained in the SCF device tables no longer exists. This could indicate an internal error.

Action
Issue the DEV,REFRESH command to perform a configuration update. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.
SCF0701I

SAR, command, process_name

**Cause**
This is an informational message, echoing the SAR command.

**Action**
None.

SCF0702I

SAR command COMMAND ACCEPTED

**Cause**
This is an informational message, issued for commands that are accepted.

**Action**
None.

SCF0703E

SAR command_name COMMAND FAILED

**Cause**
The SAR command is either invalid or was not accepted.

**Action**
Verify the command syntax.

SCF0704E

SAR IS NOT ACTIVE

**Cause**
The SAR command was not accepted because the SAR (SRDF/AR) process is not active.

**Action**
Verify the SAR process name.

SCF0705E

UNABLE TO VALIDATE SAR PROCESS process_name

**Cause**
The SAR command was not accepted because the SAR process is not defined.
SCF0706E

SAR STOP FORCE COMMAND COMPLETED, PROCESS process_name

Cause
The SAR STOP FORCE command completed - the SAR process is no longer active.

Action
None.

SCF0706I

SAR STOP command COMPLETED, PROCESS process_name

Cause
Stopping command command is completed for SAR process process_name.

Action
None.

SCF0707E

SAR command_name NOT PERFORMED, PROCESS process_name is INACTIVE

Cause
The SAR command was not accepted because the SAR process is not active.

Action
Verify the SAR process name.

SCF0708E

SAR START NOT PERFORMED, PROCESS process_name, OPEN FAILED FOR SYSOUT LOG

Cause
The SAR process was not started because the open failed for the SYSOUT log file.

Action
The SCF procedure must have the SAR SYSOUT log files allocated.

SCF0709W

DD reason
Cause
An error occurred while processing OPEN/CLOSE of DD statement DD. reason indicates the type of error encountered.

reason can be one of the following:

DD Statement missing
SRDF/AR process expected DD to be present while it is not defined.

Open failed
A failure occurred during processing of OPEN of the DD.

DCB not Open
DD was expected to be in open state while it is not.

Close failed
A failure occurred during processing of CLOSE of the DD.

Action
Review the ResourcePak Base startup job. Search for the ways of correcting the problem as indicated by reason. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

SCF0710I

SAR PROCESS process_name STARTED

Cause
This is an informational message, issued to indicate the start of the SAR process.

Action
None.

SCF0711I

SAR PROCESS process_name ENDED

Cause
This is an informational message, issued when a SAR process ends.

Action
None.

SCF0712E

SAR MODULE EMCTFA NOT FOUND

Cause
The SAR process could not be started because the SAR module could not be loaded.
Action
SAR module EMCTFA must either be present in a LINK LIST dataset or in the SCF STEPLIB concatenation.

SCF0713E

SAR PROCESS process_name ABNORMALLY TERMINATED

Cause
The SAR process abended.

Action
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

SCF0715E

SAR START NOT PERFORMED, PROCESS process_name is ACTIVE

Cause
The SAR process could not be started because it is already active.

Action
Verify the SAR process name.

SCF0721I

REC, function, ssdddd, LID, nn

Cause
This is an echo of the recovery services command.

Action
None.

SCF0722I

REC NO DEVICES LOCKED

Cause
The QRYDLOCK command could not find any locked devices.

Action
None.
### SCF0723I

**Message:**
```
REC DEVICE dev# IS LOCKED, LOCKID X'xxxxxxxx', DURATION nnn
```

**Cause**
This message is issued in response to a QUERYDEVICELOCK command, where `dev#` is the device, `xxxxxxxx` is the device lock ID in hex, and `nnn` is the duration of the held lock in seconds.

**Action**
None.

### SCF0724I

**Message:**
```
REC DEVICE sdddd RELEASED, LOCKID X'xxxxxxxx', DURATION nnn
```

**Cause**
This message is issued in response to a RELEASEDEVICELOCK command, where `sdddd` is the device, `xxxxxxxx` is the device lock ID in hex, and `nnn` is the duration of the held lock in seconds.

**Action**
None.

### SCF0725E

**Message:**
```
REC DEVICE xxxx LOCK OBTAINED, LOCKID lockid
```

**Cause**
A device lock has been obtained for the specified device.

**Action**
None.

### SCF0726I

**Message:**
```
REC COMPLETED
```

**Cause**
The REC command completed successfully.

**Action**
None.
SCF0727E

REC function FAILED, RC: xxxx, RS: xxxx

Cause
A recovery function failed.

Action
Verify the command syntax. Contact the Dell EMC Customer Support Center for technical assistance.

SCF0728E

REC command COMMAND FAILED

Cause
A recovery command failed.

Action
Verify the command syntax. Contact the Dell EMC Customer Support Center for technical assistance.

SCF0729E

REC MODULE EMCDLOKM NOT FOUND

Cause
The action could not be performed because the Lock Manager module could not be loaded.

Action
Module EMCDLOKM must either be present in a LINK LIST dataset or in the SCF STEPLIB concatenation.

SCF0730E

REC INVALID LOCKNUM PARAMETER

Cause
An invalid lock number was specified.

Action
Submit the command again, specifying a valid lock number.
**SCF0740I**

**ZDP command**

**Cause**
Echoes the user-entered zDP command to the console/Joblog.

**Action**
None, informational.

**SCF0741I**

**ZDP command command accepted**

**Cause**
Indicates acceptance of the zDP command.

**Action**
None, informational.

**SCF0742E**

**ZDP command command failed**

**Cause**
The zDP command could not be processed.

**Action**
Check the command syntax for validity. Ensure a correct VDG name was specified and that it is in the correct state. The VDG cannot be active for a START command or inactive for a STOP command.

**SCF0743E**

**ZDP configuration is not defined**

**Cause**
The zDP configuration is empty (no VDGs or TGTs are defined).

**Action**
Define the zDP configuration via the zDP Definition Utility (EIPINIT).

**SCF0744E**

**Unable to validate ZDP VDG name**
**Cause**
The zDP VDG definition does not exist.

**Action**
Define the VDG via the zDP Definition Utility (EIPINIT).

**SCF0745E**

ZDP command not performed, VDG name is state

**Cause**
The zDP command could not be processed because the VDG is not in the correct state. The VDG must be inactive for a START command and active for a STOP command.

**Action**
If the VDG status is incorrect, it can be removed by the zDP Definition Utility (EIPINIT) by issuing a DELETE VDG command with the FORCE option and redefined.

**SCF0746I**

ZDP VDG name Started

**Cause**
The VDG START command has been accepted.

**Action**
None, informational.

**SCF0747I**

ZDP VDG name Stopped

**Cause**
The VDG has ended execution.

**Action**
None, informational.

**SCF0748E**

ZDP Module EIPZDP not found

**Cause**
The zDP run-time module EIPZDP could not be loaded.

**Action**
Ensure EIPZDP is in a LINKLIST dataset or a JOBLIB/STEPLIB dataset allocated to SCF.
SCF0749E

ZDP command not performed, reason

**Cause**
The ZDP command failed for the indicated reason.

**Action**
Correct the command or situation and re-issue the command.

**Note**
A MODIFY ZDP,SMF command is supported only for an active VDG. To modify the SMF options for an inactive VDG, re-define the VDG with the desired SMF options, or issue a MODIFY OPTIONS command via the zDP Definition Utility (EIPINIT).

SCF0801I

SNP GROUP grpname COMPLETED - jobname/jobid//stepname/stmntnmbr

**Cause**
The EMCSNAP NOTIFYWHENCOMPLETE option has been specified, and the background copy operation has completed. When the DATASET parameter of NOTIFY has been used, the field **grpname** will specify the data set name that has been snapped, otherwise it will represent the group name specified in the GROUP parameter. The fields **jobname, jobid, stepname, and stmntnmbr** refer to the EMCSNAP job that started the Snap operation.

**Action**
None required. Operations that were waiting for the background copy operation to complete can resume; for example, the CLEANUP command can be issued against the source volume to allow for EMCTF BCV operations to take place.

SCF0871I

GNS nnnn SELLOCK was unsuccessful return code=nn reason code =nn

**Cause**
The VMAX SELLOCK is held by another application.

**Action**
None required. GNS will automatically acquire the lock when it becomes available.

SCF0873E

GNS attempt to getmain nn bytes failed while reading GNS data from ucb@ nnnn
**Cause**
Not enough memory in the SCF server.

**Action**
Shut down SCF and restart it with a larger region parameter.

---

**SCF0874I**

Raw GNS read failed with RC=nn reason code=nn

**Cause**
The device may be temporarily unavailable. Possible reason codes include the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>GNS found a storage system that is too old to support GNS.</td>
</tr>
<tr>
<td>03</td>
<td>An I/O error may have occurred. The GNS request will fail.</td>
</tr>
<tr>
<td>05</td>
<td>The path to the device is invalid or unavailable. This may be an indication that an SRDF connection to a remote storage system is unavailable.</td>
</tr>
<tr>
<td>09</td>
<td>The storage system has had a new configuration loaded or else a UCB swap has occurred. If the problem persists, issue an <code>/F scfname,DEV REFRESH</code>.</td>
</tr>
<tr>
<td>11</td>
<td>The request timed out. GNS has attempted to redrive the request 5 times and it timed out all 5 times. The GNS action will be failed.</td>
</tr>
</tbody>
</table>

**Action**
No action required. GNS will attempt the retry. Message SCF0890I gives the UCB address of the device.

---

**SCF0875E**

GNS raw write failed with RC=nn reason code=nn

**Cause**
I/O error.

**Action**
Correct the I/O error.
Cause
Not enough memory in SCF server.

Action
Shut down SCF and restart it with a larger region parameter.

SCF0877E

GNS group count would have exceeded maximum allowed. Action terminated.

Cause
Gram area is full.

Action
Delete old, unused groups before adding another one.

SCF0878I

GNS command COMMAND accepted

Cause
User entered a command from the console.

Action
None.

SCF0879E

GNS SymmID IS NOT AN EMC CONTROLLER. command command failed

Cause
The user entered invalid syntax or attempted to execute a command against a storage system that does not support GNS.

Action
Validate the command syntax. If the command was directed to a storage system, verify that the storage system supports GNS.

SCF0880I

GNS unable to format GRAM on ser# nnnnn One or more host are running old releases of the CSC.

Cause
GNS was attempting to format the scratch area on a storage system, but it was blocked because there was a version of SCF running on an LPAR connected to this storage system that did not support GNS. Therefore, this storage system cannot be used in a GNS group.
**SCF0881I**

GNS On host name **nn Host(nnn)** the CSC level does not support GNS.

**Cause**
This message accompanies SCF0880I and identifies the LPAR and the SCF that is out of date.

**Action**
Upgrade the CSC software by installing a more current release of ResourcePak Base or applying the appropriate PTF.

---

**SCF0883I**

GNS Unable to format GRAM on ser# **symmetrix_serial#** the CSC had been REVERTed. Run a FORMAT if required.

**Cause**
The storage system identified by the serial number was explicitly reformatted back to an earlier non-GNS version.

**Action**
To make the storage system available for GNS usage, a GNS FORMAT command must be issued against the storage system. Refer to the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide for the explanation of the FORMAT command.

---

**SCF0884W**

GNS Read from controller **serial_number** failed (CUU cuu path path) - **reason**

**Cause**
A storage system or gatekeeper device may be temporarily unavailable. The message includes one of the following reasons or reason codes:

- **bad path**
  All paths to the remote storage system were found to be unusable. A UCB swap may have occurred on the locally connected storage system(s) through which the remote storage system is connected.

- **configuration changed**
  The IMPL changed on the storage system.

- **gatekeeper changed**
  The gatekeeper device could not be pinned, or the gatekeeper UCB address is invalid.
invalid path
   All paths to the remote storage system were found to be invalid.

no paths found
   No paths to the remote storage system were found.

no RDF link available
   The remote storage system cannot be accessed because no SRDF link is available.

request timed out
   The request continuously timed out. This may be due to a resource limitation on the storage system.

RS=00
   The storage system is too old to support GNS.

RS=03
   An I/O error occurred.

RS=05
   All paths to the storage system were found to be unavailable. This may be an indication that an SRDF connection on the remote storage system is unavailable.

Action
None. GNS will retry the request. If the problem persists, issue the following SCF command: /F scfname,DEV REFRESH

SCF0890I

message_text

Cause
The message text varies depending on command output.

This is a generic informational message that GNS uses to provide all the output from commands. Refer to the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide for GNS command examples.

Note
If you receive MPATH=FFFFFFFFFFFFFFFF UCB@=00000000 CCUU=0001 and the message is preceded by SCF0874I GNS raw GNS read failed with rc=8 reason code=0, GNS is indicating that it has found a storage system that is too old to support GNS.

Action
None.

SCF0891W

GNS Device lock failed RC/RS/RS2=aaaaaaaa/bbbbbbbb/ccccc(cc
Cause
While processing a GNS request, the GNS task encountered a problem when issuing a device lock request. SCF0892W provides details about the error.

Action
None

SCF0892W

GNS Func=xxx Symm=ssssssssssss

Cause
SCF0891W was issued and this message provides more detail about the error.

Action
None

SCF0893W

GNS Device lock stolen from Symm sssssssssss dev# sdddd

Cause
GNS device lock processing has stolen a device lock while adding a device to a SARPOOL.

Action
None

SCF0894E

GNS - DEVS API request failed, 0894

Cause
Internal error. GNS attempted to read the device characteristics from a storage system and the request failed. The storage system is inaccessible.

Action
This may be a temporary condition; try the GNS request later. If the condition persists, issue /f nnnnn, dev refresh.

SCF0895E

GNS - RC=rc EMCRC/EMCRS/EMCRCX=rc/rs/rcx CCUU=cuu MHOP=hoplist

Cause
An API request failed.

Action
If the condition persists, issue an /f nnnnn, dev refresh. If after the dev refresh completes the condition persists, then the storage system has become inaccessible.
- If the MHOP value is equal to all FF, then the storage system being accessed is locally attached to the LPAR and the CCUU is on the storage system you are attempting to access.

- When the MHOP value is not all FF, then the CCUU is being used as a gatekeeper to access a remote storage system over the MHOP path. Somewhere along the path the request is failing.

**SCF0896E**

GNS detected that a gatekeeper device has changed. Current GNS requests will be failed. A REFRESH has been scheduled.

**Cause**
A gatekeeper device has changed.

**Action**
If the error persists, enter a DEV RESCAN command. The DEV RESCAN causes SCF to rebuild the gatekeeper device information and schedule a GNS REFRESH, if one is required. After the GNS REFRESH completes enter a GNS TOPO command. Examine the output of the TOPO command for “Invalid Gatekeeper” indicators. If any appear then enter a DEV REFRESH command. After the DEV REFRESH completes the condition should be cleared.

**SCF0897E**

GNS detected that a gatekeeper device has changed. Retry request after the DEV REFRESH completes.

**Cause**
A gatekeeper device has changed.

**Action**
None, unless the condition does not clear up. If the condition does not resolve itself, enter a GNS REFRESH command. After the refresh completes, enter a GNS TOPO command. Examine the output of the TOPO command for “Invalid Gatekeeper” indicators. If any appear, enter a DEV REFRESH command. After the DEV REFRESH completes the condition should be cleared.

**SCF0898W**

GNS failed to REMOVE one or more devices from group gggggggggg, as they are not part of the existing group definition.

**Cause**
One or more storage devices specified in the EXCLUDE DEVICE SYMM =ser#, (sym#|list|range) command was not removed from the group definition, because either the device(s) do not exist or are not contained in the existing group definition. The display is made up of the above syntax plus the following substitution values: *gggggggggg* (GNS group name)
**Action**
Verify that the PowerMax/VMAX devices number(s) in the EXCLUDE DEVICE SYMM =ser#, (sym#|list|range) command were specified correctly. Correct the device number(s), and reissue the command.

**SCF0899E**

GNS REVERT command not supported for microcode level level (must be 5876 or below)

**Cause**
A GNS REVERT command was issued for a storage system with the operating environment level 5977 or later. This command is only supported for operating environment levels 5876 and earlier. Consequently, the command has failed.

**Action**
If the requested storage system was specified incorrectly, correct and reissue the command.

**SCF0900I**

GNS command command completed

**Cause**
A GNS command was issued via SCF modify command or SCF command prefix, and the command has completed successfully.

**Action**
None.

**SCF0901S**

SCF ADDRESS SPACE IS ALREADY ACTIVE

**Cause**
SCF startup processing detected that an SCF address space is already started. SCF processing terminated.

**Action**
The SCF subsystem name must be unique. Multiple uniquely named instances can be started and then referenced using //SCF$nnnn. Refer to the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide.

**SCF0902S**

SCF ADDRESS SPACE REQUIRES APF AUTHORIZATION

**Cause**
SCF initialization detected that the SCF library is not APF authorized. SCF processing terminated.
Action
Authorize the SCF load library and re-start SCF.

**SCF0908E**

**DYNAMIC ALLOCATION FAILED FOR DDNAME:** SCFINIDYNRC= nnnn DYNINFO= nnnnnnnn DYNERR= nnnnnnnn SMSREAS= xxxxxxxxx

**Cause**
The SCFINI dataset could not be allocated due to the specified error. SCF processing terminate.

**Action**
The SCF initialization parameters could not be read. Contact the Dell EMC Customer Support Center for technical assistance.

**SCF0909E**

**Environment:** xxxx has been disabled

**Cause**
The subtask supporting the indicated environment has abended too many times.

**Action**
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**SCF0910I**

**Environment:** xxxxxxxxxx has been restarted

**Cause**
The subtask supporting the indicated environment was restarted by the SCF environment manager. This typically occurs because the subtask had previously abended.

**Action**
Review the SYSLOG and job logs for errors, and correct the problem, if possible. If the problem persists, contact the Dell EMC Customer Support Center for technical assistance. Please make sure to have the SYSLOG, job logs, and all relevant diagnostic information (e.g., dump, SCF trace, LOGREC) available.

**SCF0911E**

xxxx MACRO FAILED FOR EMC SERVER/MVS ENVIRONMENT: xxxx RC=nnnn REAS=nnnn
**Cause**
An error occurred processing the specified macro on behalf of the specified environment.

**Action**
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

---

**SCF0912E**

DYNAMIC ALLOCATION FAILED FOR DDNAME: SCFTRACEDYNRC= nnnn DYNINFO= nnnnnnnn DYNERR= nnnnnnnn SMSREAS= xnnnnnnnn

**Cause**
The SCFTRACE dataset could not be allocated due to the specified error.

**Action**
Processing continues without recording to the SCFTRACE. Contact the Dell EMC Customer Support Center for technical assistance.

---

**SCF0913E**

DYNAMIC ALLOCATION FAILED FOR DDNAME: SCFLOGDYNRC= nnnn DYNINFO= nnnnnnnn DYNERR= nnnnnnnn SMSREAS= xnnnnnnnn

**Cause**
The SCFLOG dataset could not be allocated due to the specified error.

**Action**
Processing continues without recording to the SCFLOG. Contact the Dell EMC Customer Support Center for technical assistance.

---

**SCF0914I**

Now logging to HLQ.LOG.smfid$$$.Ddate.Ttime

**Cause**
A new log file was allocated. This message is produced at startup and each time a new log file is allocated while ResourcePak Base is running. These files may be requested by Customer Service personnel in order to assist in debugging a problem.

**Action**
None.

---

**SCF0915I**

Now tracing to HLQ.TRACE.smfid$$$.Ddate.Ttime
Cause
A new trace file was allocated. This message is produced at startup and each time a
new trace file is allocated while ResourcePak Base is running. These files may be
requested by Customer Service personnel in order to assist in debugging a problem.

Action
None.

SCF0917I

Deleting HLQ.trcorlog.smfid$$.Ddate.Ttime

Cause
A LOG or TRACE dataset is being deleted because it is older than the specified
number of days to retain the dataset or the specified number of active datasets has
been exceeded.

Use the SCFINI parameters SCF.LOG.RETAIN.DAYS or SCF.TRACE.RETAIN.DAYS to
specify the number of days to retain datasets or use SCF.LOG.RETAIN.COUNT or
SCF.TRACE.RETAIN.COUNT to specify the allowable number of active LOG or
TRACE datasets.

Action
None.

SCF1001E

$ENVBLK DOES NOT CONTAIN A PROCEDURE NAME

Cause
Internal error. Invalid SCF function requested by SymmAPI-MF.

Action
Review the job log and SYSLOG for errors. If you cannot determine and correct the
problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the job log, and all relevant job documentation
available.

SCF1002E

ATTACH FAILED FOR SCFEMGR TASK

Cause
Internal error. SCF was unable to attach the specified task. SCF processing
terminated.

Action
Review the job log and SYSLOG for errors. If you cannot determine and correct the
problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the job log, and all relevant job documentation
available.
SCF1005E

SWAREQ MACRO FAILED

Cause
Internal error. SCF processing terminated.

Action
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1006E

START PARAMETER LENGTH EXCEEDS 124 CHARACTERS

Cause
The parameter length specified on the z/OS START command for SCF was too long.

Action
Verify that the START command was entered correctly. Contact the Dell EMC Customer Support Center for technical assistance.

SCF1086E

UNABLE TO ALLOCATE SCFTRACE FILE

Cause
There was a failure allocating the SCFTRACE file.

Action
Correct the cause of the allocation failure and recycle SCF.

SCF1096E

UNABLE TO ALLOCATE SCFLOG FILE

Cause
There was a failure allocating the SCFLOG file.

Action
Correct the cause of the allocation failure and recycle SCF.
SCF1100I

xxx MONITOR nnn TASK STARTED

**Cause**
A monitor task was started, where xxx indicates DSE, SDV, SOT, or THN and nnn indicates either DSEPOOL, SNAPPOOL, SPILOVER TIME, or THINPOOL.

**Action**
None.

SCF1101I

xxx parsetext

**Cause**
The INI parameters read are echoed to the console. xxx indicates DSE, SDV, or THN.

**Action**
None.

SCF1102I

text MONITOR xxx text

**Cause**
A monitor task is ending. This is an informational message where xxx indicates DSE, SDV, or THN.

**Action**
None.

SCF1110I

xxx CONTROLLER sssss-ssssss AT MICROCODE LEVEL yyyy

**Cause**
A display of storage system status was requested. xxx indicates DSE, SDV, or THN. This storage system is registered with DSE, SDV, or THN and is running the indicated operating environment level.

**Action**
None.
SCF1111I

xxx -- DISABLED FROM PROCESSING

Cause
This message follows message SCF1110I and indicates that this storage system is not being monitored. xxx indicates DSE, SDV, or THN.

Action
None. To monitor this storage system, correct the INI parameters for DSE, SDV, or THN to include this storage system. The operating environment of the storage system must be at an appropriate level.

SCF1112I

xxx -- LAST TIME CHECK: timestamp1 NEXT TIME CHECK: timestamp2

Cause
This message is part of the status messages. xxx indicates DSE, SDV, or THN. It identifies the last time that the storage system SAVEDEV status was checked, and the next time that it will be checked.

Action
None.

SCF1113I

xxx -- LAST PERCENT: ppp (3380-p1 3390-p2 FBA-p3), CURRENT INTERVAL: iii

Cause
This message is part of the status messages. xxx indicates DSE, SDV, or THN. It identifies the last percentage observed, and breaks it down by device type. It also identifies the current interval being used for processing.

Action
None.

SCF1114I

xxx -- GATEKEEPER DEVICE: ccuu

Cause
This message is part of the status messages. xxx indicates DSE, SDV, or THN. It identifies the gatekeeper device being used to monitor the storage system SAVEDEV status.

Action
None. If you wish to change the gatekeeper device used, modify the INI parameters.
SCF1115I

xxx -- NOT SUPPORTED

**Cause**
This message follows message SCF1110I and indicates that this storage system is not being monitored. xxx indicates DSE, SDV, or THN.

**Action**
None. The operating environment level of the storage system is not at a supported level for SAVEDEV purposes.

SCF1116I

xxx POOL \textit{poolname} INTERVALS DEFINED

**Cause**
The identified pool has intervals defined. xxx indicates DSE, SDV, or THN.

**Action**
None.

SCF1117I

xxx -- LAST PERCENT: \textit{ppp}, CURRENT INTERVAL: \textit{iii}

**Cause**
This message is part of the status messages. xxx indicates DSE, SDV, or THN. This message identifies the last percentage observed for a pool.

**Action**
None.

SCF1120I

xxx MONITOR SAVEDEV TASK ENABLED

**Cause**
The Monitor task is enabled and active for processing. This is a status message. xxx indicates DSE, SDV, or THN.

**Action**
None.
SCF1121I

xxx MONITOR SAVEDEV TASK DISABLED

Cause
The Monitor task is disabled and is not processing. This is a status message. xxx indicates DSE, SDV, or THN.

Action
None.

SCF1122I

xxx -- USING GLOBAL INTERVAL LIST

Cause
The storage system is using the GLOBAL INTERVAL list. There are no specific intervals defined for this storage system. xxx indicates DSE, SDV, or THN.

Action
None.

SCF1123I

xxx -- POOL INTERVALS NOT DEFINED, USING CONTROLLER VALUES

Cause
There are no specific intervals defined for this pool. It is using the intervals defined for the storage system. xxx indicates DSE, SDV, or THN.

Action
None.

SCF1125I

nnn -- INI PARAMETERS LOADED

Cause
The INI parameters have been loaded. This message will initially appear after the monitor has started and processed the INI parameters, where nnn may be SDV, DSE or THN. This message also appears after a REFRESH command has been requested.

Action
None.
SCF1130I

xxx GLOBAL INTERVAL iii, PERCENT=(ll, hh)

Cause
This message is a response to a request to display the SAVEDEV information. xxx indicates DSE, SDV, or THN. The interval iii is defined for a percent range of ll through hh. This interval is part of the GLOBAL interval definition.

Action
None.

SCF1131I

xxx CONTROLLER xxxxx INTERVAL iii PERCENT=(ll, hh)

Cause
This message is a response to a request to display the SAVEDEV information. xxx indicates DSE, SDV, or THN.

Action
None.

SCF1132I

xxx -- DURATION=sdddd ACTION=action FREQUENCY=frequency

Cause
This message is a response to a request to display the SAVEDEV information. xxx indicates DSE, SDV, or THN. The duration sdddd is the interval of time between checking for any change in percentage.

The frequency identifies when the action will be performed, as follows:

- **ONCE** indicates to only perform the action the first time the interval is detected.
- **REPEAT** indicates that the action will be performed each time the interval is detected.
- **NONE** indicates that the action will never be performed.

The action to be performed may be: NONE, MESSAGE, USEREXIT, or STOP_VDEV.

Action
None.

SCF1133I

xxx POOL poolname INTERVAL iii, PERCENT=(ll, hh)
**Cause**
This message is a response to a request to display the SAVEDEV information. xxx indicates DSE, SDV, or THN. The interval iii is defined for a percent range of ll through hh. This interval is part of the identified pool interval definition.

**Action**
None.

**SCF1140E**

```
xxx -- PERCENT LOW AND HIGH VALUES ARE INVALID
```

**Cause**
When processing the INI parameter values, a percentage value with inappropriate values was detected. Typically, the low value is greater than the high value. xxx indicates DSE, SDV, or THN.

**Action**
Correct the percent value.

**SCF1141E**

```
xxx -- THIS INTERVAL DOES NOT IMMEDIATELY FOLLOW THE PREVIOUS INTERVAL - CHECK PERCENT
```

**Cause**
The percent field for this interval is not adjacent to the percent field of the previous interval, leaving a gap in the percent range. xxx indicates DSE, SDV, or THN.

**Action**
Correct the percent value.

**SCF1150I**

```
xxx WAITING FOR SCFDEVIC TO COMPLETE INITIALIZATION
```

**Cause**
The SDV task is active, waiting for the SCFDEVIC (DEV) task to complete initialization. This message will display every five minutes until it is able to begin processing. xxx indicates DSE, SDV, or THN.

**Action**
None.

**SCF1160I**

```
xxx CONTROLLER nnnnn IS AT pp% UTILIZATION OF SAVEDEV SPACE (3380-ii 3390-jj FBA-kk)
```

**Cause**

**Action**

None.
**Cause**
A storage system *nnnnn* is being monitored and a display of the utilization is provided. *xxx* indicates DSE, SDV, or THN.

**Action**
None.

---

**SCF1161I**

```plaintext
xxx POOL sssss-ssssss - poolname IS AT ppp% UTILIZATION OF SAVEDEV SPACE
```

**Cause**
A storage system pool is being monitored and a display of the utilization is provided. *xxx* indicates DSE, SDV, or THN.

**Action**
None.

---

**SCF1162I**

```plaintext
xxx CONTROLLER serial# * STATISTICS FOR 3390 * COUNT-#dev FREE-#trks USED-#trks
```

**Cause**
This message provides the following display.

*xxx*
- Indicates DSE, SDV, or THN.

*serial#*
- Reports the serial number of the system reporting the usage.

**STATISTICS FOR xxx**
- Indicates the pool type being used.

**COUNT - #dev**
- Indicates the count of the number of devices that are active in pools.

**FREE - #trks**
- Indicates the number of tracks that are free in the pools.

**USED - #trks**
- Indicates the number of tracks that are being used in the pools.

**Action**
None.
SCF1163I

xxx POOL serial# - poolname * STATISTICS *
COUNT - #devs FREE - #trks USED - #trks)

Cause
This message provides the following display.

xxx
  Indicates DSE, SDV, or THN.
POOLserial#
  Reports the serial number of the system reporting the usage.
poolname
  Indicates the pool name being used.
COUNT - #dev
  Indicates the count of the number of devices that are active in the pool.
FREE - #trks
  Indicates the number of tracks that are free.
USED - #trks
  Indicates the number of tracks in use.

Action
None.

SCF1170E

xxx CONTROLLER sssss-ssssss NOT FOUND

Cause
An operator command was entered, but the requested storage system was not found.
xxx indicates DSE, SDV, or THN.

Action
Correct the serial number in the operator command.

SCF1171E

xxx CONTROLLER sssss-ssssss IS NOT SUPPORTED FOR PROCESSING

Cause
An operator command was entered for this storage system, but the storage system
does not support SAVEDEV devices. xxx indicates DSE, SDV, or THN.

Action
Correct the operator command.
SCF1172E

xxx CONTROLLER sssss-sssssss POOL poolname NOT FOUND

Cause
An operator command was entered for a specific pool on a storage system. The pool is not valid for the requested storage system. xxx indicates DSE, SDV, or THN.

Action
Correct the operator command. Correct the serial number if it is incorrect. Correct the pool name if it is incorrect.

SCF1173E

xxx CONTROLLER sssss-sssssss POOL poolname IS NOT SUPPORTED FOR PROCESSING

Cause
An operator command was entered for a specific pool on a storage system. There are no pool intervals defined for this storage system. xxx indicates DSE, SDV, or THN.

Action
Correct the operator command.

SCF1180E

xxx CONTROLLER sssss-sssssss, USER EXIT exitname FAILED, SWITCHING TO MESSAGE FOR INTERVAL iii

Cause
The identified user exit was called, and failed. If this interval is processed again, MESSAGE processing will be used. xxx indicates DSE, SDV, or THN.

Action
The most likely reason for the user exit to fail is because it is not available in the STEPLIB, JOBLIB or LINKLIB. Check the console log for related messages (like abend) and correct the user exit.

SCF1190I

DSE, text

Cause
Each DSE command is echoed to the joblog.

Action
None.
SCF1191I

DSE COMMAND ACCEPTED.

Cause
SCF command processing accepted the specified DSE command.

Action
None.

SCF1200I

ASY MONITOR TASK STARTED

Cause
Message is issued when the SRDF/A Monitor task starts.

Action
None.

SCF1201I

ASY xxxxxxxx

Cause
This message is issued when a parsing error has been detected. xxxxxxxx will point to the parameter in error.

Action
Review xxxxxxxx and correct the parameter in error.

SCF1202I

ASY MONITOR TASK ENDED

Cause
This message is issued when the SRDF/A Monitor task ends.

Action
None.

SCF1203I

ASY MONITOR DEBUG ON
**SCF1210I**

**ASY - ESFASY STARTED**

**Cause**
The stub module for the ASY environment started.

**Action**
None.

**SCF1211I**

**ASY - SRDF HC NOT INSTALLED - ASY WILL BE DISABLED**

**Cause**
The ASY monitor was started but the SRDF Host Component modules for the environment cannot be located.

**Action**
If you have SRDF Host Component and you want to use the ASY monitor, then you need to place the SRDF Host Component library in the concatenation for ResourcePak Base to find.

**SCF1212I**

**ASY - ESFASY ENDED**

**Cause**
The ASY environment stub module has terminated.

**Action**
None.

**SCF1220I**

**ASY MONITOR TASK ENABLED**

**Cause**
This message is issued when the SRDF/A Monitor displays the status of the srdfASYnc task.

**Action**
None.
SCF1221I

ASY MONITOR TASK DISABLED

Cause
This message is issued when the SRDF/A Monitor displays the status of the srdfASYnc task.

Action
None.

SCF1222I

ASY - INITIALIZATION PARMS NOT FOUND - ATTEMPTING REFRESH

Cause
An ANY,ENABLE command was issued but SRDF/A Monitor initialization parameters could not be found. A forced refresh has been attempted.

Action
None.

SCF1226I

ASY -- SSAR - GLOBAL SYSTEM ID=nnnn SSAR SYSTEM ID=nnnn SSAR ENABLED=Y

Cause
This informational message is produced by the ASY,DISPLAY command.

Action
None.

SCF1227I

ASY -- SSAR ACTIVE=n # OF SESSIONS=nnnn GRP RCVRY=n

Cause
This informational message is produced by the ASY,DISPLAY command.

Action
None.

SCF1228I

ASY -- CPFX=++ MANUAL=N MINDIR=bb ITRACK=nnnn BCV P1=EST BCV P2=EST
SCF1229I

**Cause**
This informational message is produced by the ASY,DISPLAY command, where `bb` specifies the minimum directors and `nnnn` specifies the invalid track count.

**Action**
None.

SCF1230I

**Cause**
This informational message is produced by the ASY,DISPLAY command.

**Action**
None.

SCF1231I

**Cause**
This message is issued when the SRDF/A Monitor displays the status of the srdfASYnc task parameters.

- **aaaa**
  - Is the value specified by SCF.ASY.POLL.INTERVAL.

- **bbbb**
  - Is the value specified by SCF.ASY.SM.F.POLL.

- **cccc**
  - Is the value specified by SCF.ASY.SM.F.RECORD.

- **dddd**
  - Is the value specified by SCF.ASY.SECONDARY_DELAY.

- **eeeeeee**
  - Is the value specified by SCF.ASY.USEREXIT.

**Action**
None.
**SCF1232I**

ASY - CONTROLLER symmetrix_serial# RDFGRP(bb) TOLERANCE CHANGED ON -> OFF

**Cause**
This message is issued when the SRDF/A Monitor discovers an SRDF/A session had a status change where the SRDF/A Tolerance mode went from on to off.

**symmetrix_serial#**
The serial number of the storage system containing SRDF/A.

**bb**
The SRDF group that has SRDF/A.

**Action**
None.

---

**SCF1233I**

ASY - CONTROLLER symmetrix_serial# RDFGRP(bb) TOLERANCE CHANGED OFF -> ON

**Cause**
This message is issued when the SRDF/A Monitor discovers an SRDF/A session had a status change where the SRDF/A Tolerance mode went from off to on.

**symmetrix_serial#**
The serial number of the storage system containing SRDF/A.

**bb**
The SRDF group that has SRDF/A.

**Action**
None.

---

**SCF1234I**

ASY - CONTROLLER symmetrix_serial# RDFGRP(bb) ACT CHANGED ON -> OFF
Cause
This message is issued when the SRDF/A Monitor discovers an SRDF/A session had a status change where SRDF/A went from active to inactive.

*symmetrix_serial#*
   The serial number of the storage system containing SRDF/A.

*bb*
   The SRDF group that has SRDF/A.

Action
None.

**SCF1235I**

ASY - CONTROLLER *symmetrix_serial#* RDFGRP(bb) ACT CHANGED OFF -> ON

Cause
This message is issued when the SRDF/A Monitor discovers an SRDF/A session had a status change where SRDF/A went from inactive to active.

*symmetrix_serial#*
   The serial number of the storage system containing SRDF/A.

*bb*
   The SRDF group that has SRDF/A.

Action
None.

**SCF1236I**

ASY - CONTROLLER *symmetrix_serial#* RDFGRP(bb) SECONDARY DELAY = *cccccccc*

Cause
This message is issued when the SRDF/A Monitor discovers that the secondary delay threshold has been exceeded.

*symmetrix_serial#*
   The serial number of the storage system containing SRDF/A.

*bb*
   The SRDF group that has SRDF/A.

*cccccccc*
   The current value of the secondary delay.

Action
None.
SCF1237I

ASY -- CONTROLLER symmetrix_serial# RDFGRP(bb) MINDIR=cc ITRACK=dddf
BCV P1=eeee BCV P2=ffff

Cause
This informational message is produced by the ASY,DISPLAY command.

symmetrix_serial#
The serial number of the storage system containing SRDF/A.

bb
The SRDF group that has SRDF/A.

cccc
The minimum directors.

dddd
The invalid track count.

eeee
The BCV Policy1 value.

ffff
The BCF Policy2 value.

Action
None.

SCF1238I

ASY -- GK=aaaa REL=bbbb AUTOR ENA=c AUTOR ACT=dMSC=e SRDFA=f

Cause
This informational message is produced by the ASY,DISPLAY command.

aaaa
The gatekeeper device.

bbbb
The operating environment level.

c
Indicates if auto recovery is enabled (Y|N).

d
Indicates if auto recovery is active (Y|N).

e
Indicates if MSC-managed (Y|N).

f
Indicates if SRDF/A is active (Y|N).

**Action**
None.

---

**SCF1240I**

| ASY MONITOR IN CUT_SMF_RECORD |

**Cause**
This message is issued only when DEBUG is on. This message is issued when the SRDF/A Monitor is cutting the SMF record.

**Action**
None.

---

**SCF1241I**

| ASY MONITOR IN CALL_USER_EXIT |

**Cause**
This message is issued only when DEBUG is on. It is issued when the SRDF/A Monitor is calling the user-specified user exit.

**Action**
None.

---

**SCF1242I**

| ASY -- SMF RECORD FOR CONTROLLER symmetrix_serial# RDFGRP(bb) |

**Cause**
This message is issued only when DEBUG is on. This message is issued when the SRDF/A Monitor is calling the program that cuts the SMF record.

- **symmetrix_serial#**
  The serial number of the storage system containing SRDF/A.

- **bb**
  The SRDF group that has SRDF/A.

**Action**
None.

---

**SCF1250I**

| ASY MONITOR WAITING FOR SCFDEVIC TO COMPLETE INITIALIZATION |

SCF1240I 425
**SCF1261I**

**Cause**
This message is issued when the SRDF/A Monitor is ready to process but the SCF device table is still initializing.

**Action**
None.

**SCF1270E**

**Cause**
This is a diagnostic message issued by the ASY Monitor task when DEBUG is on, indicating the storage address (aaaaaaa) and length (lllllll) of the ASY Monitor block that was released.

**Action**
None.

**SCF1280E**

**Cause**
A command was issued to the ASY monitor that was specifying a specific storage system with the last 5-digit serial number sssss and the storage system with that serial number cannot be located.

**Action**
Correct the serial number specified in the command.

**SCF1280I**

**Cause**
The SRDF/A monitor invoked the User Exit userexit for the storage system with the serial number symmetrix_serial# and the exit abended. The code automatically stops calling the user exit.

**Action**
Correct the code in the user exit userexit, and restart SCF.
**Cause**
This message is issued when the SRDF/A Monitor has invoked the user specified user exit, but the user exit has abended. All future actions requiring the user exit will issue messages instead.

**Action**
Determine the cause of the abend and correct user exit. Disable and re-enable the ASY environment.

---

**SCF1281I**

```
ASY -- DISABLE NOT ALLOWED - AUTO RECOVERY IS ACTIVE FOR ## SESSIONS
```

**Cause**
This message is produced by the ASY monitor. The ASY monitor cannot be disabled because active SSAR sessions exist.

**Action**
None.

---

**SCF1282I**

```
ASY -- RUNNING ON LPAR aaaa BUT LPAR bbbb WAS SPECIFIED - AUTO RECOVERY DISABLED
```

**Cause**
This message is produced by the ASY monitor to indicate that auto recovery is disabled.

**Action**
None.

---

**SCF1283E**

```
ASY -- RECOVERY FAILED FOR SRDFID aa ASCRE FAILED - RC ##
```

**Cause**
This message is produced by the ASY Monitor, where aa is the SRDF group that has SRDF/A and ## specifies the return code. The required address space could not be created. The return code specified indicates the error. The most likely cause is a system error.

**Action**
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.
SCF1284E

ASY -- RECOVERY FAILED FOR SRDFID aa EHCRCVRY - RC ##

**Cause**
This message is produced by the ASY Monitor, where aa is the SRDF group that has SRDF/A and ## is the return code. The SSAR job failed.

**Action**
See the SSAR job log for more information. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1285I

ASY -- RECOVERY COMPLETE FOR SRDFID bb

**Cause**
This message is produced by the ASY Monitor to indicate that auto recovery is complete, where bb is the SRDF group that has SRDF/A.

**Action**
None.

SCF1286E

ASY -- AUTO RECOVERY NOT ENABLED - OR MORE REQUIRED OPTIONS MISSING

**Cause**
This informational message is produced by the ASY monitor. The SSAR feature of the ASY monitor could not be enabled.

**Action**
Correct the specified condition and enable SSAR.

SCF1287I

ASY -- AUTO RECOVERY ENABLED

**Cause**
This message is produced by the ASY monitor to indicate that auto recovery is enabled.

**Action**
None.
SCF1288I

ASY -- AUTO RECOVERY DISABLED

Cause
This message is produced by the ASY monitor to indicate that auto recovery is disabled.

Action
None.

SCF1289I

ASY -- CONTROLLER symmetrix_serial# RDFGRP(bb) IS ACTIVE OR MSC MANAGED. RECOVERY NOT INITIATED

Cause
This message is produced by the ASY monitor to indicate that recovery was not initiated.

symmetrix_serial#

The serial number of the storage system.

bb

The SRDF group.

Action
None.

SCF1290I

xxxxxxxxxx

Cause
This informational message is issued when command parsing occurs. If an error has been detected for a command, xxxxxxxxx points to the command in error.

Action
If an error occurs, review xxxxxxxxx and correct the parameter in error.

SCF1291I

ASY aaaaaaaa COMMAND ACCEPTED

Cause
This message is issued when the command aaaaaaaa has passed.

Action
None.
**SCF1292E**

**ASY cmd COMMAND**

**Cause**
A bad command *cmd* was issued.

**Action**
Correct the command and re-issue.

**SCF1292I**

**ASY aaaa... COMMAND FAILED**

**Cause**
This message is issued when the command *aaaaaaa* has failed to pass validation.

**Action**
None.

**SCF1293I**

**ASY -- AUTO RECOVERY INITIATED FOR SER#=symmetrix_serial# SRDFID=bb**

**Cause**
This message is produced by the ASY Monitor when single session auto recovery is invoked.

**Action**
None.

**SCF1294I**

**ASY -- RECOVERY PARMS: STCPGM=EHCAFIF INVPGM=aa GK=bbbb R1=cc INVTRK=dddd**

**Cause**
This message is produced by the ASY Monitor when single session auto recovery is invoked.

*aa*
The specified program.

*bbbb*
The gatekeeper device.

*cc*
The SRDF group.
The invalid track count.

Action
None.

SCF1295I

ASY -- CPFX=aa PHASE1=bb PHASE2=cc MINDIR=dd

Cause
This message is produced by the ASY Monitor when single session auto recovery is invoked.

aa
The SRdF Host Component command prefix.

bb
The BCV phase 1 option, where EN is enabled and NN is disabled.

c
The BCV phase 2 option, where EN is enabled and NN is disabled.

d
The specified minimum directors.

Action
None.

SCF1296E

ASY - AUTO RECOVERY COMMAND REJECTED - ENABLE ASY MONITOR

Cause
An Auto Recovery command was issued while the SRDF/A Monitor (ASY) was disabled.

Action
Enable the SRDF/A Monitor and retry.

SCF1297I

ASY - SSAR DISABLED INVALID CONTROLLER or RDFGROUP specified:CONTROLLER symm-serial RDFGRP(srdfgrp)

Cause
Single Session Auto Recovery has been disabled due to a non-existent storage system or SRDF group.

Action
None.
SCF1300I

MSC - TASK STARTED

Cause
The SCF MSC environment started.

Action
None.

SCF1301I

MSC - TASK TIMER

Cause
Indicates the MSC Heartbeat task, which is issued every 5 minutes while MSC is active.

Action
None.

SCF1302I

MSC - TASK ENDED

Cause
The SCF MSC environment ended.

Action
None.

SCF1303I

MSC - DEBUG ON

Cause
SCF.MSC.DEBUG on was found.

Action
None.

SCF1304I

MSC - SRDF HC POST
**SCF1305E**

MSC - SRDF HC POSTED BUT THE $MSCCB ADDRESS IS ZERO

**Cause**
An internal logic problem has occurred.

**Action**
A possible cause of this error is issuing the `F jobname,MSC,RESTART` command at the wrong time. For more information, refer to the MSC,REFRESH and MSC,RESTART descriptions in the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide.

If you still cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**SCF1306E**

MSC - DUPLICATE GROUP NAME FOUND ALREADY RUNNING

**Cause**
SRDF Host Component has processed and validated a MSC group and then posted the SCF MSC environment with the definition. The SCF MSC environment was already processing for the same group.

**Action**
None, unless you want to change the MSC group. If you want to change the MSC group, you need to disable the SCF MSC environment and then enable the SCF MSC environment again. Then you need to have SRDF Host Component process the MSC group again.

**SCF1307E**

MSC - CANNOT ADD GROUP SINCE EIGHT ARE ALREADY RUNNING

**Cause**
The maximum number of MSC groups is already running in the SCF MSC environment.

**Action**
If you need to run more MSC groups then you need to run a new SCF address space.
SCF1308I

MSC  text

**Cause**
This message is issued when a parsing error occurs. The text varies depending on the error found.

**Action**
Correct the error condition and refresh the initialization parameters.

SCF1309I

MSC - SAI DEBUG ON

**Cause**
This message indicates that a special diagnostic is turned on.

**Action**
None

SCF1310I

MSC - SCFMSC STARTED

**Cause**
The MSC environment stub module has started.

**Action**
None.

SCF1311I

MSC - SRDF HC NOT INSTALLED - MSC WILL BE DISABLED

**Cause**
The MSC stub module cannot locate the SRDF Host Component modules to run this environment.

**Action**
If you have SRDF Host Component and want to run this environment, then add the SRDF Host Component linklib in the concatenation.

SCF1312I

MSC - SCFMSC ENDED
**SCF1315I**

Cause
The MSC environment stub module has terminated.

Action
None.

**SCF1316I**

MSC MODULE=mmmmm Ver=V.R.M Patch=PPPPPPP

Cause
This message displays module information for MSC where mmmmmm is the module name, V.R.M is the version release and modification level, and pppppp is the patch level of the module.

Action
None.

**SCF1317I**

MSC - SQAR|STAR-A SDDF QUERY TO MF HA

Cause
This message indicates that syscall 017F/0A is being run to mainframe host adapters.

Action
None.

**SCF1318I**

MSC - SQAR|STAR-A SDDF QUERY TO OS HA

Cause
This message indicates that syscall 017F/0A is being run to open system host adapters.

Action
None.
SCF1319I

MSC - SET TO ADCOPY-DISK ON SRDFA DROP

Cause
The MSC task has started and found the SCF.MSC.ADCOPY.ONDROP=YES initialization parameter. MSC will issue the following command to each SRDF group in the MSC_GROUP when SRDF/A drops:

```
SC VOL,LCL(dddd,srdfgrp),ADCOPY_DISK,ALL,CQNAME=mscgrp
```

Where `dddd` is the MSC gatekeeper device, `srdfgrp` is the SRDF group, and `mscgrp` is the first eight bytes of the MSC_GROUP name.

Action
None.

SCF1320I

MSC - TASK ENABLED

Cause
This message indicates the status of the SCF MSC environment.

Action
None.

SCF1321I

MSC - TASK DISABLED

Cause
This message indicates the status of the SCF MSC environment.

Action
None.

SCF1322I

MSC - AUTO RECOVERY option

Cause
This message displays the status of the SRDF Automated Recovery option, where `option` is ENABLED or DISABLED.

Action
If this is not the desired state, update the SRDF Host Component SRDFA_AUTO_RECOVER parameter.
SCF1323I

MSC - ALLOW OVERWRITE OF SCRATCH AREA AND BOXLIST

Cause
This message is issued at the start of a new MSC definition to indicate that the SCF.MSC.OVERWRITE parameter is set to YES.

Action
None.

SCF1324I

MSC - WAITING FOR SCFDEVIC TO COMPLETE INITIALIZATION

Cause
This message is issued when the MSC environment is waiting for the device table before it can continue.

Action
None.

SCF1325E

MSC - SAI ERROR FOR VID=vid R15= r15 EMCRC = emcrc EMCRS= emcrs EMCRCX= emcrx, routine_name

Cause
This message is issued when an API call is made that ended with a failure. The vid identifies the API call. The r15, emcrc, emcrs, and emcrx all specify specifics about the error. The routine_name specifies the calling routine name.

Action
For any SRDF/A error with a VID of ACTSRDFA, the device state or the SRDF/A status should assist in determining the reason for the error. Issue the SRDF Host Component SQ VOL,ccuu,RA(ra) command to display the devices in the SRDF group and the SQ SRDFA,LCL(ccuu,ra) command to display the SRDF/A status.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1326E

MSC - GROUP= msc_group_name (ccuu,{sync_ra,}async_ra) SERIAL = symmetrix_serial#
**SCF1326I**

MSC - GROUP= msc_group_name (ccuu,{sync_ra,}async_ra) SERIAL = symmetrix_serial#

**Cause**
This message is issued to display the session information identifying the MSC group name msc_group_name, the MVS device address ccuu, the SRDF group, and the storage system serial number symmetrix_serial#.

**Action**
None.

**SCF1327E**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) NO SRDFA FOUND

**Cause**
The MVS device ccuu and SRDF group async ra do not have SRDF/A.

**Action**
Correct the MSC group definition statement in SRDF Host Component.

**SCF1328I**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) SRDFA ACTIVE

**Cause**
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

**Action**
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

**SCF1329I**

MSC - GROUP= msc_group_name (ccuu,{sync_ra,}async_ra) SRDFA INACTIVE

**Cause**
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.
Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

**SCF1330E**

MSC - GROUP= msc_group_name (ccuu, {sync_ra, async_ra}) SRDFA NOT PRIMARY SIDE

**Cause**
The MVS device ccuu and SRDF group async_ra identify a secondary side SRDF/A. This message displays the session information identifying the MSC group name msc_group_name, the MVS device address ccuu, the SRDF group. This message may also be issued to indicate that SRDF/A is not active.

**Action**
If a secondary side SRDF/A is identified, correct the MSC group definition statement in SRDF Host Component. Issue an #SQ SRDFA command to check the status and activate SRDF/A if it is not active and then restart MSC.

**SCF1331E**

MSC - GROUP= msc_group_name (ccuu, {sync_ra, async_ra}) CANNOT ATTACH SYMMETRIX TASK

**Cause**
An internal logic problem has occurred. This message is issued to display the session information identifying the MSC group name msc_group_name, the MVS device address ccuu, and the SRDF group.

**Action**
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**SCF1332E**

MSC - GROUP= msc_group_name (ccuu, {sync_ra, async_ra}) MAXIMUM ECBLIST REACHED

**Cause**
An internal logic problem has occurred. This message is issued to display the session information identifying the MSC group name msc_group_name, the MVS device address ccuu, and the SRDF group.

**Action**
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.
**SCF1333I**

MSC - GROUP=msc_group_name (ccuu,srdfgrp) MOTHER TASK ENDED

**Cause**
This message is issued to display the session information identifying the MSC group name msc_group_name, the MVS device address ccuu, the SRDF group srdfgrp.

**Action**
None.

**SCF1334I**

MSC - GROUP=msc_group_name (ccuu,srdfgrp) MOTHER TASK TIMER

**Cause**
A timer has popped since no action has happened in at least five minutes. Where: msc_group_name is the MSC group name, ccuu is the gatekeeper device, and srdfgrp is the SRDF group number.

**Action**
None.

**SCF1335E**

MOTHER TASK STARTED

**Cause**
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

**Action**
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

**SCF1336E**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) ENQ IS ALREADY OWNED

**Cause**
MSC is starting and has found that the ENQ (QNAME=EMC-MSC-) (RNAME=MSC FOR BOX sssssssssss SESSION# 0) cannot be obtained with a shared status.

**Action**
The most likely cause is an older version of MSC (SRDF Host Component version 5.2.1 or earlier) is running MSC for this system. To use this version of MSC, you need to stop the older version of MSC. After stopping the old version, restart this version.
SCF1337E

MSC - GROUP=msc_group_name (ccuu, {sync_ra}, async_ra) ENQ IS ALREADY OWNED BY FLAG

Cause
The code is about to attempt to get the Exclusive Systems ENQ (QNAME =EMC-MSC-, and RNAME=MSC FOR BOX serial# SESSION# sn) for the SRDF/A session. An internal control block indicates that the ENQ is already owned by this SCF MSC. This message is issued to display the session information identifying the MSC group namemsc_group_name, the MVS device address ccuu, and the SRDF group.

Action
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1338E

MSC - GROUP=msc_group_name R1 DEVICE=dddd1 R1 DEVICE=dddd2 SAME SESSION#

Cause
The SCF MSC environment was given a MSC group that has MVS device dddd1 and MVS device dddd2 that both are trying to include the same SRDF/A session. This message is issued to display the session information identifying the MSC group name msc_group_name, the MVS device address ccuu, the SRDF group.

Action
Correct the MSC group definition statement in SRDF Host Component.

SCF1339I

MSC - GROUP= msc_group_name PROCESS_FC01-ALL BOXES READY

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF1340E

MSC - GROUP= msc_group_name INVALID FUNCTION
**Cause**
An internal logic problem has occurred. This message is issued to display the session information identifying the MSC group name `msc_group_name`.

**Action**
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**SCF1341I**

MSC - GROUP= msc_group_name PROCESS_FC02-ALL BOXES RECORDED

**Cause**
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

**Action**
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

**SCF1342I**

MSC - GROUP= msc_group_name PROCESS_FC03-ALL BOXES ACTIVE

**Cause**
This message is issued to display the session information identifying the MSC group name that has just became active.

**Action**
None.

**SCF1343I**

MSC - GROUP= msc_group_name PROCESS_FC04-TIME FOR SWITCH

**Cause**
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

**Action**
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

**SCF1344I**

MSC - GROUP= msc_group_name PROCESS_FC05-ALL BOXES CAN SWITCH
### Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

### Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

---

**SCF1345I**

MSC - GROUP= msc_group_name MOTHER TASK FUNCTION TIMER

---

**SCF1346I**

MSC - GROUP= msc_group_name PROCESS_FC06-ALL BOXES OPENED WINDOW AND CYCLE SWITCHED

---

**SCF1347I**

MSC - GROUP= msc_group_name PROCESS_FC07-ALL BOXES CLOSED WINDOW'

---

**SCF1348E**

MSC - GROUP= msc_group_name MOTHER TASK MAX_WAIT TIMER FOR FC =',

---
Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or
VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for
customer tracking or message automation.

SCF1349E

MSC - GROUP=msc_group_name (ccuu,{'sync_ra','async_ra'}) SRDFA HASN'T
BECOME ACTIVE AND CONSISTENT

Cause
The SCF MSC environment has been waiting for all of the SRDF/A sessions in the
msc_group_name to become both active and consistent. The maximum wait for these
conditions has been exceeded.

Action
Examine the SRDF/A session identified by the ccuu and async_ra in
the msc_group_name and determine why the conditions are not met.

SCF1350E

MSC - GROUP=msc_group_name (ccuu,{'sync_ra','async_ra'}) MSC HASN'T
RECORDED FOR THIS BOX

Cause
An internal logic problem has occurred. This message is issued to display the session
information identifying the MSC group name msc_group_name, the MVS device
address ccuu, and the SRDF group.

Action
Review the job log and SYSLOG for errors. If you cannot determine and correct the
problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the job log, and all relevant job documentation
available.

SCF1351E

MSC - GROUP=msc_group_name (ccuu,{'sync_ra','async_ra'}) MSC HASN'T GONE
ACTIVE FOR THIS BOX

Cause
An internal logic problem has occurred. This message is issued to display the session
information identifying the MSC group name msc_group_name, the MVS device
address ccuu, and the SRDF group.

Action
Review the job log and SYSLOG for errors. If you cannot determine and correct the
problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**SCF1352E**

MSC - GROUP=msc_group_name(ccuu,{sync_ra,}async_ra) TARGET CYCLE HAS NOT POSTED

**Cause**
An internal logic problem has occurred. This message is issued to display the session information identifying the MSC group name msc_group_name, the MVS device address ccuu, and the SRDF group.

**Action**
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**SCF1353E**

MSC - GROUP= msc_group_name(ccuu,{sync_ra,}async_ra) CANNOT CYCLE SWITCH

**Cause**
The maximum wait to see if we can cycle switch has been exceeded. This message is issued to display the session information identifying the MSC group name msc_group_name, the MVS device address ccuu, and the SRDF group.

**Action**
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**SCF1354E**

MSC - GROUP= msc_group_name(ccuu,{sync_ra,}async_ra) DID NOT OPEN AND SWITCH

**Cause**
The maximum wait to open the window and cycle switch has been exceeded. This message is issued to display the session information identifying the MSC group name msc_group_name, the MVS device address ccuu, and the SRDF group. This message occurs when all SRDF groups in the MSC_GROUP are ready to cycle-switch, but the OPEN_AND_SWITCH for all the storage systems has not completed within the maximum window time.

**Action**
1. Verify that the SCF address space in which the MSC task is running has a high dispatching priority. It should be running at a higher priority than the workload that is
being replicated. The recommendation is to use the same performance settings as other started tasks servicing the workload.

2. Verify that the disks used as gatekeepers are following the Dell EMC recommendation to be dedicated to the LPAR where MSC is running and offline in other LPARs.

SCF1355E

MSC - GROUP=msc_group_name (ccuu, (sync_ra, )async_ra) DID NOT CLOSE WINDOW

Cause
The maximum wait to complete the MSC window switch and close the window was exceeded. This message is issued to display the session information identifying the MSC group name msc_group_name, the MVS device address ccuu, and the SRDF group. The message occurs when all SRDF groups in MSC_GROUP have received the OPEN_AND_SWITCH for all the storage systems, but the MSC switch processing has not completed within the maximum time window.

Action
1. Verify that the SCF address space in which the MSC task is running has a higher priority than the workload that is being replicated. The recommendation is to use the same performance settings as other started tasks servicing the workload.
2. Verify that the disks used as gatekeepers are following the Dell EMC recommendation to be dedicated to the LPAR where MSC is running and offline in other LPARs.
3. Verify that the MSC group does not contain page volume for the system on which the MSC is running. MSC does not support including page volumes in the MSC group.

SCF1356I

MSC - GROUP=msc_group_name IS TERMINATING

Cause
This message is issued when the MSC environment terminates for msc_group_name.

Action
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1357E

MSC - GROUP=msc_group_name (ccuu, (sync_ra, )async_ra) IS NOT CONSISTENT

Cause
The MSC group msc_group_name for the SRDF group using the gatekeeper device ccuu has gone inconsistent. This may happen based on other activity in the storage system that is affecting the SRDF/A SRDF group devices. Possible causes are
TimeFinder operations, Snap operations, and other background copy type applications.

**Action**
If you do not want to run inconsistently, do not allow these background type operations on your SRDF/A devices.

**SCF1358E**

MSC - GROUP= msc_group_name (ccuu,{sync_ra},{async_ra}) IS NOT ACTIVE

**Cause**
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

**Action**
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

**SCF1359E**

MSC - GROUP= msc_group_name (ccuu,{sync_ra},{async_ra}) HAS TOLERANCE MODE ON

**Cause**
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

**Action**
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

**SCF1360R**

MSC - GROUP= msc_group_name FAILED TO RECORD REPLY CONTINUE OR STOP

**Cause**
The recording of the SRDF/A sessions in the storage system has failed. If you continue you will not have the data recorded in the system to use for recovery.

**Action**
Reply either “continue” or “stop”.

**SCF1361R**

MSC - GROUP= msc_group_name NOT ALL BOXES HAVE GONE ACTIVE REPLY CONTINUE OR STOP

**Cause**
At least one SRDF/A session has not joined MSC.
Action
Reply either “continue” or “stop”.

**SCF1362R**

MSC - GROUP= msc_group_name NOT ALL BOXES CAN CYCLE SWITCH REPLY
CONTINUE OR STOP

Cause
At least one SRDF/A session is not yet ready to cycle switch. Do you want to continue to wait?

Action
Reply either “continue” or “stop”.

**SCF1363R**

MSC - GROUP= msc_group_name NOT ALL BOXES OPENED AND SWITCHED REPLY
CONTINUE OR STOP

Cause
At least one SRDF/A session did not open and cycle switch successfully in the allowed amount of time. Do you want to continue to wait?

Action
Reply either “continue” or “stop”.

**SCF1364R**

MSC - GROUP= msc_group_name NOT ALL BOXES CLOSED WINDOW REPLY
CONTINUE OR STOP

Cause
At least one SRDF/A session did not close the window successfully in the allowed amount of time. Do you want to continue to wait?

Action
Reply either “continue” or “stop”.

**SCF1365E**

MSC - GROUP= msc_group_name) IS IN SRDFA TRANSMIT IDLE - COMMAND
CANNOT BE RUN

Cause
An attempt was made to restart MSC while one or more of the SRDF/A sessions were in Transmit Idle state (the Transmit Idle feature is turned on and is active due to SRDF link failure). Use the #SQ SRDFA,LCL(cuu,ragroup) command to determine which of the SRDF groups is in the Transmit Idle state.
Action
Before MSC can be started, you must disengage the failing SRDF groups from the Transmit Idle state and restart SRDF/A. To do this, issue the #SC SRDFA,LCL(cuu,ragroup),DROP_SIDE command and then issue the #SC SRDFA,LCL(cuu,ragroup),ACT command once the link has been restored.

SCF1366I

MSC - GROUP=msc_group_name (ccuu,sync_ra,async_ra) REMOTE CYCLE SWITCHING

Cause
This message is issued during MSC initialization to indicate remote cycle switching.

Action
None.

SCF1367I

MSC - ADCOPY-DISK on SRDFA DROP disabled due to xxxxxxxx

Cause
The ADCOPY on drop initialization parameter (SCF.MSC.ADCOPY.ONDROP=YES) has been disabled due to either running Cascaded MSC or running with Auto Recovery enabled (SRDFA_AUTO_RECOVER=YES or PROMPT).

Action
None. Either the operating environment will automatically change the mode for Cascaded devices or the Automated Recovery procedure will perform this action.

SCF1368I

MSC - GROUP=msc_group_name Auto Recovery Retry enabled, limit = nn

Cause
Issued to indicate Auto Recovery retry processing is enabled, with a retry limit of nn.

Action
None.

SCF1369W

MSC - GROUP=msc_group_name Auto Recovery Retry limit exceeded

Cause
At the completion of Auto Recovery, an inactive SRDF/A group was found. However, a retry will not be issued because the retry limit was exceeded.
Action
Investigate the cause of the SRDF/A drop; the group was successfully recovered by a preceding Auto Recovery run, but had dropped before Auto Recovery completed for all of the other MSC SRDF/A groups. After recovering all of the inactive MSC SRDF/A groups, you can restart MSC by issuing an MSC RESTART command.

SCF136AE

MSC - GROUP=msc_group (ccuu,ra) Invalid microcode level nnnn, function function

Cause
An invalid operating environment level was found during MSC initialization. This is usually the result of an error during the definition of the MSC group by SRDF Host Component.

Action
Check the SRDF Host Component log for any error messages and issue a GLOBAL,PARM_REFRESH command after the error is corrected.

SCF136CI

MSC - GROUP=msc_group EHCSRBOC address aaaaaaaaa

Cause
This message is written to the SCF log during MSC initialization, to display the address of the Cycle Switch SRB routine.

Action
None.

SCF136DW

MSC - GROUP=msc_group Cycle Switch delayed, SRB still active

Cause
The MSC Cycle Switch SRB routine is still active when MSC is ready to initiate the next cycle switch.

Action
If this message persists (Cycle Switching does not occur), contact Dell EMC Technical Support.

SCF136EE

MSC - GROUP=msc_group Cycle Switch SRB abnormally terminated
**SCF136FE**

**Cause**
The MSC Cycle Switch SRB has abnormally terminated, which will cause the MSC task to shutdown.

**Action**
Contact Dell EMC Technical Support for assistance. Ensure all relevant documentation is available, including the Logrec data and SVC Dump.

**More Information**
The SRB routine will generate an SVC Dump and record the error symptoms in Logrec.

**SCF1370I**

MSC - GROUP=msc_group  function failed, rcrc, rsnc rsnc

**Cause**
The indicated function failed with the displayed return and reason codes.

**Action**
Contact Dell EMC Technical Support for assistance. Ensure all relevant documentation is available.

**SCF1371I**

MSC - GROUP=msc_group  data_type data recorded

**Cause**
Diagnostic data has been written as the result of an unexpected condition. data_type indicates the type of diagnostic data (currently Logrec or SCF trace).

**Action**
Contact Dell EMC Technical Support for assistance. Ensure all relevant job documentation is available.

**Cause**
This message is issued when any storage system in the MSC group is a VMAX-3, to indicate the MSC mode; "Multi-cycle" or "Legacy". Multi-cycle mode requires all storage systems in the MSC group to be VMAX-3, otherwise, any Session active in Multi-cycle mode will be dynamically transitioned to Legacy mode during MSC initialization.

**Action**
None, unless the current mode is not the desired mode.

If all storage systems in the MSC group are VMAX-3 and MSC is running in Legacy mode, check the setting for the SCF.MSC.MULTI.CYCLE initialization parameter of ResourcePak Base (SCF) - a value of "NO" will disable Multi-cycle mode. Specify
"YES" or remove the parameter (the default is Multi-cycle), issue an F scf_task,INI REFRESH command and restart MSC.

**SCF1372I**

| MSC - GROUP=msc_group (ccuu,ra) Transmit Cycle nnnn Committed |

**Cause**

This is a Verbose (Log only) message issued when running in Multi-cycle mode to indicate the commit of cycle nnnn.

**Action**

None.

**SCF1373I**

| MSC - GROUP=msc_group MCM Alignment complete |

**Cause**

This message is issued when running in Multi-cycle mode to indicate the completion of the alignment of the SRDF/A cycles. The cycles must be aligned before MSC cycle switching commences.

**Action**

None.

**SCF1375I**

| MSC - GROUP=msc_group_name (ccuu, {sync_ra,}async_ra) SYMMETRIX TASK TIMER |

**Cause**

This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

**Action**

None. This message is issued during normal processing and is not intended for customer tracking or message automation.

**SCF1376I**

| MSC - GROUP= msc_group_name (ccuu, {sync_ra,}async_ra) SYMMETRIX TASK ENDED |

**Cause**

This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.
**SCF1377I**

**Action**
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

**SCF1378I**

**MSC - GROUP= msc_group_name (ccuu,{sync_ra,}async_ra) SYMMETRIX TASK STARTED**

**Cause**
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

**Action**
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

**SCF1379I**

**MSC - GROUP= msc_group_name (ccuu,{sync_ra,}async_ra) SRDFA NOT ACTIVE**

**Cause**
This message is just issued after the code just tried to make SRDF/A active and it is not active. This message displays the session information identifying the MSC group name msc_group_name, the MVS device address ccuu, and the SRDF group.

**Action**
Examine the SRDF/A session identified by the ccuu and async_ra to determine why SRDF/A did not become active.

**SCF1379I**

**MSC - GROUP= msc_group_name (ccuu,{sync_ra,}async_ra) INVALID FUNCTION**

**Cause**
An internal logic error has occurred. This message displays the session information identifying the MSC group name msc_group_name, the MVS device address ccuu, and the SRDF group.

**Action**
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.
SCF1380I

MSC - GROUP=msc_group_name (ccuu, {sync_ra}, async_ra) PROCESS_FC01-
RECORD ALL BOXES

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or
VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for
customer tracking or message automation.

SCF1381I

MSC - GROUP=msc_group_name (ccuu, {sync_ra}, async_ra) PROCESS_FC02-
ACTIVATE MSC

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or
VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for
customer tracking or message automation.

SCF1382I

MSC - GROUP=msc_group_name (ccuu, {sync_ra}, async_ra) PROCESS_FC04-CAN
WE SWITCH?

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or
VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for
customer tracking or message automation.

SCF1383I

MSC - GROUP=msc_group_name (ccuu, {sync_ra}, async_ra) PROCESS_FC05-
OPEN AND SWITCH

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or
VERBOSE settings, intended for reference if diagnosing a processing problem.
Action
None. This message is issued during normal processing and is not intended for
customer tracking or message automation.

SCF1384I

MSC - GROUP= msc_group_name (ccuu, {sync_ra, async_ra}) PROCESS_FC06-
CLOSE WINDOW

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or
VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for
customer tracking or message automation.

SCF1385E

MSC - GROUP= msc_group_name(ccuu, {sync_ra, async_ra}) SRDFA DID NOT
ACTIVATE - PRIMARY SIDE

Cause
This message identifies that the primary side of the SRDF/A session did not activate.
This message is issued to display the session information identifying the MSC group
name msc_group_name, the MVS device address ccuu, and the SRDF group.

Action
Examine the SRDF/A session to determine the problem.

SCF1386E

MSC - GROUP= msc_group_name(ccuu, {sync_ra, async_ra}) SRDFA DID NOT
ACTIVATE - SECONDARY SIDE

Cause
This message identifies that the secondary side of the SRDF/A session did not activate.
This message is issued to display the session information identifying the MSC group
name msc_group_name, the MVS device address ccuu, and the SRDF group.

Action
Examine the SRDF/A session identified by the ccuu and the SRDF group determine
the problem.

SCF1387E

MSC - GROUP= msc_group_name(ccuu, {sync_ra, async_ra}) SRDFA DID NOT
ACTIVATE - CLEAN-UP
Cause
This message identifies that SRDF/A cleanup is running. This message is issued to display the session information identifying the MSC group name msc_group_name, the MVS device address ccuu, and the SRDF group.

Action
Examine the SRDF/A session identified by ccuu and the SRDF group to determine the problem.

SCF1388I

MSC - GROUP=msc_group_name (ccuu,{sync-ra,}async-ra) WAITING FOR CONSISTENCY

Cause
This message identifies that SRDF/A session that is waiting to become consistent. This message is issued to display the session information identifying the MSC group name msc_group_name, the MVS device address ccuu, and the SRDF group.

Action
None.

SCF1389I

MSC - GROUP=msc_group_name (ccuu,{sync-ra,}async-ra) HAS BECOME INCONSISTENT

Cause
This message identifies that the SRDF/A session identified by ccuu and the SRDF group has become inconsistent. Therefore, the entire MSC group can now be considered inconsistent. This message is issued to display the session information identifying the MSC group name msc_group_name, the MVS device address ccuu, and the SRDF group.

Action
None.

SCF138AI

MSC - GROUP=msc_group_name (ccuu,{sync-ra,}async-ra) PROCESS_FC02-ACTIVATE MSC complete

Cause
The MSC mode has been activated for the SRDF/A group.

This is a diagnostic message issued under the control of VERBOSE.

Action
None.
**SCF1390I**

*Cause*
The parser found the xxxxxxxx xxxxxxxx xxxxxxx error condition.

*Action*
Correct the xxxxxxxx xxxxxxxx xxxxxxx error condition and refresh the initialization parameters.

**SCF1391I**

MSC cmd COMMAND ACCEPTED

*Cause*
An operator command cmd has been accepted to be processed.

*Action*
None.

**SCF1392E**

MSC cmd COMMAND FAILED

*Cause*
An operator command cmd has failed parsing.

*Action*
Correct the cmd and issue the command again.

**SCF1392I**

MSC cmd COMMAND FAILED

*Cause*
An operator command cmd has failed parsing.

*Action*
Correct the cmd and issue the command again.

**SCF1393E**

cmd_name rejected, specific MSCGroup required

*Cause*
The command cannot be issued for all MSC groups.
**SCF1394W**

*MSC - PENDDROP does not guarantee consistency across MSC Groups*

**Cause**
An MSC PENDDROP was issued to all MSC groups. Because the MSC groups are independent of one another, consistency across the MSC groups is not guaranteed.

**Action**
None.

**SCF1395E**

*Invalid command, action not specified*

**Cause**
The command requires an action.

**Action**
Re-issue the command, specifying a command action.

**SCF1400I**

*MSC - GROUP= msc_group_name (ccuu,{sync_ra,}async_ra) TOLERANCE MODE IS ON*

**Cause**
The SCF MSC environment has detected that Tolerance mode has come on for the SRDF/A session identified by ccuu and the SRDF group.

**Action**
None.

**SCF1401I**

*MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) TOLERANCE MODE IS OFF*

**Cause**
The SCF MSC environment has detected that Tolerance mode is off for the SRDF/A session identified by ccuu and the SRDF group.

**Action**
None.
SCF1402I

MSC - GROUP= msc_group_name  GLOBAL TOLERANCE MODE IS ON

**Cause**
The SCF MSC environment has detected that Tolerance mode has come on for a SRDF/A session in the *msc_group_name* and has now flagged this for all SRDF/A sessions in the MSC group.

**Action**
None.

SCF1403I

MSC - GROUP= msc_group_name  GLOBAL TOLERANCE MODE IS OFF

**Cause**
The SCF MSC environment has detected that Tolerance mode has come off for a SRDF/A session in the *msc_group_name* and has flagged this for all SRDF/A sessions in the MSC group.

**Action**
None.

SCF1404I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) PROCESS_FC07-CHECK STATUS

**Cause**
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

**Action**
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF1405E

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) HOST CLEANUP INVOKED

**Cause**
An event has happened such that SRDF/A has dropped and the Host Intervention is now being requested. This message is issued to display the session information identifying the MSC group name *msc_group_name*, the MVS device address *ccuu*, and the SRDF group.
Action
Review the SCF MSC messages that follow to determine status of the related SRDF/A MSC group. If this message is not the result of an MSC PEND_DROP, then review SYSLOG for ICH408E (Service Alert) message with a REFCODE=E4CA-0000-ffgg to determine the cause (ff) and SRDF group (gg) of the SRDF/A failure.

Refer to SRDF/A (MSC) recovery scenarios in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for the actions necessary to restart this SRDF/A MSC group.

SCF1406E

MSC - GROUP=msc_group_name  HOST CLEANUP RUNNING

Cause
An event has happened such that SRDF/A has dropped and the Host Intervention is now processing.

Action
Refer to SRDF/A (MSC) recovery scenarios in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for the actions needed to restart this SRDF/A MSC group.

SCF1407I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) PROCESS_FC08- DROP SRDFA

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF1408I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) PROCESS_FC09- COMMIT INACTIVE CYCLE

Cause
This message is issued to display the session information identifying the MSC group name msc_group_name, the MVS device address ccuu, and the SRDF group when the automatic host cleanup is running.

Action
None.
SCF1409I

MSC - GROUP=msc_group_name (ccuu, {sync_ra, async_ra}) PROCESS.FC010 - DISCARD INACTIVE CYCLE

Cause
This message is issued to display the session information identifying the MSC group name msc_group_name, the MVS device address ccuu, and the SRDF group when the automatic host cleanup is running.

Action
None.

SCF1410I

MSC - GROUP=msc_group_name HOST CLEANUP CASE1 RUNNING

Cause
This message is issued to display the session information identifying the MSC group name msc_group_name when the automatic host cleanup is running.

Action
None.

SCF1411I

MSC - GROUP=msc_group_name HOST CLEANUP CASE2 RUNNING

Cause
This message is issued to display the session information identifying the MSC group name msc_group_name when the automatic host cleanup is running.

Action
None.

SCF1412I

MSC - GROUP=msc_group_name HOST CLEANUP CASE3 RUNNING

Cause
This message is issued to display the session information identifying the MSC group name msc_group_name when the automatic host cleanup is running.

Action
None.
SCF1413I

MSC - GROUP=msc_group_name HOST CLEANUP IS FINISHED

Cause
The MSC group msc_group_name has invoked MSC cleanup. This message indicates that the MSC cleanup is finished.

Action
None.

SCF1414I

MSC - GROUP=msc_group_name HOST CLEANUP - PHASE2 IS RUNNING

Cause
The MSC group msc_group_name has verified it can communicate to all systems in the MSC group and will now perform the MSC cleanup on the secondary side of the SRDF/A configuration.

Action
None.

SCF1415I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) PROCESS_FC11-DUMMY FUNCTION

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF1416I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) HOST INTERVENTION REQUIRED

Cause
SRDF/A has dropped for the session and the secondary side needs to be told what to do with the receive cycle.

Action
The product will automatically perform the Host Intervention function if it can. If it cannot, then all SRDF/A sessions need to be examined to determine what to do. Contact the Dell EMC Customer Support Center for technical assistance.
SCF1417I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) LOW INACTIVE TAG

Cause
The product is examining the tags of all systems to determine what to do. This message is for informational purposes only.

Action
None.

SCF1418I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) INACTIVE TAG MATCH

Cause
The product is examining the tags of all systems to determine what to do. This message is for informational purposes only.

Action
None.

SCF1419I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async ra) NO HOST INTERVENTION REQUIRED

Cause
The product is examining the tags of all systems to determine what to do. This message is for informational purposes only.

Action
None.

SCF1420E

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async ra) UNEXPECTED CONDITION

Cause
The product is doing the automatic cleanup and has found an unexpected condition.

Action
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.
SCF1421E

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) MSC DROP POLICY - SESSION REMOVED

Cause
This message is issued to display the session information identifying the MSC group name msc_group_name, the MVS device address ccuu, and the SRDF group when the automatic host cleanup is running. The failing session is removed from those that are actively being cycle switched by the MSC environment according to the MSC drop policy.

Action
None.

SCF1422E

MSC - GROUP=msc_group_name MSC DROP POLICY - DISABLE INVOKED

Cause
This message is issued to display the session information identifying the MSC group name msc_group_name, when the automatic host cleanup is running. The MSC environment is disabled according to the MSC drop policy.

Action
None.

SCF1423I

MSC - GROUP=msc_group_name FUNCTION MISMATCH ENTERED

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF1424I

MSC - GROUP=msc_group_name FUNCTION MISMATCH EXITED - ZERO

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.
Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF1425I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) CLOSING WINDOW THAT IS OPEN

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF1426I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) GETTING SEL LOCKS

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF1427I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) GOT LOCAL SEL LOCK

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF1428I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) GOT REMOTE SEL LOCK

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.
Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF1429I

MSC - GROUP=msc_group_name (ccuu, {sync_ra, async_ra}) STEALING LOCAL SEL LOCK

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF142AI

MSC - GROUP=msc_group SEL Locks bypassed due to UCB Swap

Cause
Due to a UCB Swap of an MSC Gatekeeper CCUU, followed by an MSC REFRESH or DISABLE command, the SEL locks normally obtained during termination processing are bypassed.

Action
None

SCF142BW

MSC - GROUP=msc_group Primary Server not active

Cause
During initialization of a Secondary MSC server, the Primary server was not active.

Action
To provide for Star or SQAR differential recovery, start the Primary (Weight Factor 0) server. The Star/SQAR SDDF sessions are managed solely by the Primary server.

SCF1430I

MSC - GROUP=msc_group_name (ccuu, {sync_ra, async_ra}) LOCAL SEL LOCK FREED

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.
Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF1431I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) STOLE LOCAL SEL LOCK

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF1432I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) STEALING REMOTE SEL LOCK

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF1433I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) REMOTE SEL LOCK FREED

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF1434I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) STOLE REMOTE SEL LOCK
**SCF1435I**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) FREEING SEL LOCKS

_Cause_
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

_Action_
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

**SCF1436I**

MSC - GROUP=msc_group_name OBTAINED ALL SEL LOCKS

_Cause_
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

_Action_
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

**SCF1437I**

MSC - GROUP=msc_group_name NOT ABLE TO OBTAIN ALL SEL LOCKS

_Cause_
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

_Action_
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

**SCF1438E**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) VALID SCRATCH AREA - MSC NOT ACTIVE
Cause
MSC is starting and found a valid MSC scratch area, but found MSC was not active.

Action
Determine why the MSC scratch area is defined, but MSC is not active. The most likely cause is that cleanup from MSC and SRDF/Star has not been performed.

SCF1438W

MSC - GROUP= msc_group_name (ccuu, {sync_ra, async_ra}) VALID SCRATCH AREA - MSC NOT ACTIVE

Cause
MSC is starting and found a valid MSC scratch area, but found MSC was not active.

Note
This message is issued as a warning and not an error because SCF.MSC.OVERWRITE=YES is specified.

Action
Determine why the MSC scratch area is defined, but MSC is not active. The most likely cause is that cleanup from MSC and SRDF/Star has not been performed.

SCF1439E

MSC - GROUP= msc_group_name (ccuu, {sync_ra, async_ra}) RMT VALID SCRATCH AREA - MSC NOT ACTIVE

Cause
MSC is starting and found a valid MSC scratch area, but found MSC was not active.

Action
Determine why the MSC scratch area is defined, but MSC is not active. The most likely cause is that cleanup from MSC and SRDF/Star has not been performed.

SCF1439W

MSC - GROUP= msc_group_name (ccuu, {sync_ra, async_ra}) RMT VALID SCRATCH AREA - MSC NOT ACTIVE

Cause
MSC is starting and found a valid MSC scratch area, but found MSC was not active.

Note
This message is issued as a warning and not an error because SCF.MSC.OVERWRITE=YES is specified.

Action
Determine why the MSC scratch area is defined, but MSC is not active. The most likely cause is that cleanup from MSC and SRDF/Star has not been performed.
**SCF1440E**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) LOCAL MBLIST IS NOT EMPTY

**Cause**
MSC is starting a new definition and found a valid MSC multi-box list.

**Action**
Determine why the MSC multi-box list is not empty. A possible cause is another definition is already running or cleanup has not been run from an earlier run.

**SCF1440W**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) LOCAL MBLIST IS NOT EMPTY

**Cause**
MSC is starting a new definition and found a valid MSC multi-box list.

**Note**
This message is issued as a warning and not an error because SCF.MSC.OVERWRITE=YES is specified.

**Action**
Determine why the MSC multi-box list is not empty. A possible cause is another definition is already running or cleanup has not been run from an earlier run.

**SCF1441E**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) REMOTE MBLIST IS NOT EMPTY

**Cause**
MSC is starting a new definition and found a valid MSC multi-box list.

**Action**
Determine why the MSC multi-box list is not empty. A possible cause is another definition is already running or cleanup has not been run from an earlier run.

**SCF1441W**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) REMOTE MBLIST IS NOT EMPTY

**Cause**
MSC is starting a new definition and found a valid MSC multi-box list.
Note
This message is issued as a warning and not an error because SCF.MSC.OVERWRITE=YES is specified.

Action
Determine why the MSC multi-box list is not empty. A possible cause is another definition is already running or cleanup has not been run from an earlier run.

SCF1442E

MSC - GROUP= msc_group_name (ccuu,{sync_ra,}async_ra) LOCAL SCRATCH AREA IS NOT VALID

Causes
MSC has been started and the SRDF/A MSC multi-box scratch area contains either an invalid eyecatcher or is not marked complete.

Action
Determine why the SRDF/A MSC multi-box scratch area contain invalid data.

SCF1443E

MSC - GROUP= msc_group_name (ccuu,{sync_ra,}async_ra) REMOTE SCRATCH AREA IS NOT VALID

Causes
MSC has been started and the SRDF/A MSC multi-box scratch area contains either an invalid eyecatcher or is not marked complete.

Action
Determine why the SRDF/A MSC multi-box scratch area contain invalid data.

SCF1444E

MSC - GROUP= msc_group_name (ccuu,{sync_ra,}async_ra) LOCAL MBLIST IS EMPTY

Causes
MSC has been started in the High Availability mode, but the SRDF/A MSC multi-box list is empty.

Action
Determine why the SRDF/A MSC multi-box list is empty.

SCF1445E

MSC - GROUP= msc_group_name (ccuu,{sync_ra,}async_ra) REMOTE MBLIST IS EMPTY
**Cause**  
MSC has been started in the High Availability mode, but the SRDF/A MSC multi-box list is empty.

**Action**  
Determine why the SRDF/A MSC multi-box list is empty.

**SCF1446E**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) LOCAL MBLIST DOES NOT MATCH

**Cause**  
MSC has been started in the High Availability mode, but the SRDF/A MSC multi-box list does not match the MSC definition.

**Action**  
Determine why the SRDF/A MSC multi-box list does not match.

**SCF1447E**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) REMOTE MBLIST DOES NOT MATCH

**Cause**  
MSC has been started in the High Availability mode, but the SRDF/A MSC multi-box list does not match the MSC definition.

**Action**  
Determine why the SRDF/A MSC multi-box list does not match.

**SCF1448E**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) TOLERANCE MODE IS ON

**Cause**  
MSC has been started in the High Availability mode, but the SRDF/A MSC has detected that Tolerance mode is on. The High Availability mode does not support running MSC when Tolerance mode is on.

**Action**  
Turn Tolerance mode off and restart MSC.

**SCF1449E**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) LOCAL MBLIST IS NOT EMPTY
Cause
MSC has been started and the SRDF/A MSC multi-box list currently has a MSC definition.

Action
Determine why the SRDF/A MSC multi-box list is not empty. A possible cause is that another SRDF/A MSC definition may already be defined. Also, cleanup of another SRDF/A MSC definition may not have been completed.

SCF1449W

MSC - GROUP= msc_group_name (ccuu,{sync_ra,}async_ra) LOCAL MBLIST IS NOT EMPTY

Note
This message is issued as a warning and not an error because SCF.MSC.OVERWRITE=YES is specified.

Action
Determine why the SRDF/A MSC multi-box list is not empty. A possible cause is that another SRDF/A MSC definition may already be defined. Also, cleanup of another SRDF/A MSC definition may not have been completed.

SCF1450E

MSC - GROUP= msc_group_name (ccuu,{sync_ra,}async_ra) REMOTE MBLIST IS NOT EMPTY

Cause
MSC has been started and the SRDF/A MSC multi-box list currently has a MSC definition.

Action
Determine why the SRDF/A MSC multi-box list is not empty. A possible cause is that another SRDF/A MSC definition may already be defined. Also, cleanup of another SRDF/A MSC definition may not have been completed.

SCF1450W

MSC - GROUP= msc_group_name (ccuu,{sync_ra,}async_ra) REMOTE MBLIST IS NOT EMPTY

Cause
MSC has been started and the SRDF/A MSC multi-box list currently has a MSC definition.
Note
This message is issued as a warning and not an error because
SCF.MSC.OVERWRITE=YES is specified.

Action
Determine why the SRDF/A MSC multi-box list is not empty. A possible cause is that
another SRDF/A MSC definition may already be defined. Also, cleanup of another
SRDF/A MSC definition may not have been completed.

SCF1451I

MSC - GROUP= msc_group_name  EXISTING DEFINITION MATCH

Cause
MSC has been started for a MSC_GROUP and the MSC_GROUP is already running in
MSC mode. This MSC server will join the configuration providing the high availability
option.

Action
None.

SCF1452I

MSC - GROUP= msc_group_name (ccuu,{sync_ra,}async_ra)  EXISTING
DEFINITION MATCH

Cause
MSC was started in the High Availability mode, and the started definition matches the
definition found already running.

Action
None.

SCF1453I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra)  ALREADY OPEN AND
CYCLE SWITCHED

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or
VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for
customer tracking or message automation.
**SCF1454I**

MSC - GROUP= msc_group_name NEXT WAKE UP AT timestamp

**Cause**
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem. Note that the wake-up timestamp value is GMT (Greenwich Mean Time).

**Action**
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

**SCF1455E**

MSC - GROUP= msc_group_name (ccuu,{sync_ra,}async_ra) SRDFA IS NOT ACTIVE1

**Cause**
While MSC was checking for the status of SRDF/A so that MSC can cycle switch, it found that the SRDF group was not SRDF/A active.

**Action**
Determine why the SRDF group is not SRDF/A active.

**SCF1456E**

MSC - GROUP= msc_group_name (ccuu,{sync_ra,}async_ra) SRDFA IS NOT ACTIVE2

**Cause**
While MSC was getting ready for the open and cycle switch process, MSC found that the SRDF group was not SRDF/A active.

**Action**
Determine why the SRDF group is not SRDF/A active.

**SCF1457E**

MSC - GROUP= msc_group_name (ccuu,{sync_ra,}async_ra) SRDFA IS NOT ACTIVE3

**Cause**
The SRDF/A SRDF group pointed at by gatekeeper ccuu for MSC GROUP msc_group_name is not SRDF/A active. This message happens when MSC detects that SRDF/A has dropped.

**Action**
Determine why SRDF/A dropped.
### SCF1458E

<table>
<thead>
<tr>
<th>MSC - GROUP= msc_group_name (ccuu, {sync_ra,async_ra})</th>
<th>R1 INACTIVE IS NOT EMPTY</th>
</tr>
</thead>
</table>

**Cause**  
The Inactive (or Transmit) cycle is not empty after the storage system indicated a cycle switch could be performed.

**Action**  
If this message is issued, there is a logic problem between SRDF/A MSC and the storage system. Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

### SCF1459E

<table>
<thead>
<tr>
<th>MSC - GROUP= msc_group_name (ccuu, {sync_ra,async_ra})</th>
<th>R2 ACTIVE IS NOT EMPTY</th>
</tr>
</thead>
</table>

**Cause**  
The Active (or Apply) cycle is not empty after the storage system indicated a cycle switch could be performed.

**Action**  
If this message is issued, there is a logic problem between SRDF/A MSC and the storage system. Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

### SCF1460E

<table>
<thead>
<tr>
<th>MSC - GROUP= msc_group_name (ccuu, {sync_ra,async_ra})</th>
<th>MSC IS NOT ACTIVE1</th>
</tr>
</thead>
</table>

**Cause**  
While MSC was checking for the status of SRDF/A so that MSC can cycle switch, MSC found that the SRDF group was not in MSC mode.

**Action**  
Determine why the SRDF group is not in MSC mode.

### SCF1461E

<table>
<thead>
<tr>
<th>MSC - GROUP= msc_group_name (ccuu, {sync_ra,async Ra})</th>
<th>MSC IS NOT ACTIVE2</th>
</tr>
</thead>
</table>
**Cause**
While MSC was preparing to issue the close window, MSC found that the SRDF group was not in MSC mode.

**Action**
Determine why the SRDF group is not in MSC mode.

SCF1462E

MSC - GROUP= msc_group_name (ccuu,{sync_ra,async_ra}) MSC IS NOT ACTIVE3

**Cause**
While MSC was getting ready for the open and cycle switch process, MSC found that the SRDF group was not in MSC mode.

**Action**
Determine why the SRDF group is not in MSC mode.

SCF1463E

MSC - GROUP= msc_group_name (ccuu,{sync_ra,async_ra}) SRDFA IS NOT ACTIVE4

**Cause**
While MSC was checking status, MSC found that the SRDF group was not in MSC mode.

**Action**
Determine why the SRDF group is not in MSC mode.

SCF1464E

MSC - GROUP= msc_group_name (ccuu,{sync_ra,async_ra}) ENQ IS ALREADY OWNED

**Cause**
MSC is starting but has found that is cannot get a SYSTEMS Share ENQ on resource QNAME =“EMC-MSC-” and RNAME=”MSC FOR BOX 123456789ABC RDFGRP RA” where 123456789ABC is the serial number of the storage system and RA is the SRDF group involved. The most likely cause of this message is that an SRDF Host Component Version 5.2.1 of MSC is already running the SRDF group RA in storage system 123456789ABC.

**Action**
Determine who already owns the SYSTEMS ENQ exclusively.
SCF1465E

MSC - GROUP= msc_group_name (ccuu,{sync_ra,}async_ra)  ENQ IS ALREADY OWNED - BY FLAG

Cause
An internal logic error has occurred.

Action
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1466I

MSC - GROUP= msc_group_name (ccuu,{sync_ra,}async_ra)  CYCLE TAG ALREADY SWITCHED - BACK LEVEL

Cause
The SRDF/A SRDF group pointed at by gatekeeper ccuu for MSC group msc_group_name does not need to cycle switch since the cycle switch process has already taken place and this MSC server is one or more cycles behind the current cycle switch. This is not a problem; it is expected when running MSC with high availability.

Action
None.

SCF1467I

MSC - GROUP= msc_group_name WAITING FOR WEIGHT FACTOR ','

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF1468I

MSC - GROUP= msc_group_name DONE WAITING FOR WEIGHT FACTOR ','

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.
Action
None. This message is issued during normal processing and is not intended for
customer tracking or message automation.

SCF1469I

MSC - GROUP=msc_group_name (ccuu, {sync_ra, async_ra}) CYCLE_TAG
ALREADY SWITCHED

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or
VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for
customer tracking or message automation.

SCF1470I

MSC - GROUP=msc_group_name (ccuu, {sync_ra, async_ra}) WINDOW IS NOT
OPEN

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or
VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for
customer tracking or message automation.

SCF1471R

MSC - GROUP=msc_group_name NO OTHER SERVER FOUND - CONTINUE, DISABLE,
OR CANCEL

Cause
One of the following commands has been issued:

F emcscf,MSC,DEACT

F emcscf,MSC,DEACTREFRESH

F emcscf,MSC,DEACTRESTART

F emcscf,MSC,DEACTRESTARTTOZERO

The MSC server cannot locate another MSC server running the MSC_GROUP. If the
command continues and no other MSC server exists, the SRDF groups in the
MSC_GROUP will all be running MSC, but the SRDF/A cycle switching will not take place. Eventually the cache will fill and SRDF/A will drop.

Note that the MSC server detects the existence of another server via a systems enqueue with QNAME="EMC-MSC-". If you do not share systems enqueues, then this message will occur even though you have another MSC server.

**Action**

Do one of the following:

- Reply CONT or CONTINUE to allow the command to complete as a DEACT type command.
- Reply CANCEL to prevent the command from completing and to allow the cycle switching to continue.
- Reply DISABLE to convert the command from a DEACT type command to a DISABLE type command, as follows:

<table>
<thead>
<tr>
<th>Command</th>
<th>Converted command</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEACT</td>
<td>DISABLE</td>
</tr>
<tr>
<td>DEACTREFRESH</td>
<td>REFRESH</td>
</tr>
<tr>
<td>DEACTRESTART</td>
<td>RESTART</td>
</tr>
<tr>
<td>DEACTRESTARTTOZERO</td>
<td>RESTART</td>
</tr>
</tbody>
</table>

**Note**

A DEACT type command will stop the MSC server from processing the MSC_GROUP, but will not take the SRDF/A SRDF groups out of MSC mode. The DISABLE type command will stop the MSC server from processing the MSC_GROUP and will take the SRDF/A SRDF groups out of MSC mode.

---

**SCF1472I**

MSC - GROUP=msc_group_name (ccuu, {sync_ra, async_ra}) CORRESPONDING RDFGRP SRDF/A ACTIVE

**Cause**

MSC has been started for a MSC_GROUP in the SRDF/Star or SRDF/SQAR mode. The J0 SRDF group of the concurrent R1 is actually running SRDF/A. This is an illegal configuration.

**Action**

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

---

**SCF1473E**

MSC - GROUP=msc_group_name (ccuu, {sync_ra, async_ra}) STAR ENQ IS ALREADY OWNED
**Cause**
SRDF/Star is starting but has found that it cannot get a SYSTEMS Share ENQ on resource QNAME = “EMC-MSC-” and RNAME = “STAR FOR BOX 123456789ABC RDFGRP RA” where 123456789ABC is the serial number of the storage system and RA is the SRDF group involved.

**Action**
Determine who already owns the SYSTEMS ENQ exclusively.

**SCF1474E**

MSC - GROUP=msc_group_name (ccuu,{sync Ra,}async Ra) STAR ENQ IS ALREADY OWNED - BY FLAG

**Cause**
An internal logic error has occurred.

**Action**
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**SCF1475I**

MSC - GROUP=msc_group_name (ccuu,{sync Ra,}async Ra) GETTING STAR SEL LOCKS

**Cause**
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

**Action**
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

**SCF1476I**

MSC - GROUP=msc_group_name (ccuu,{sync Ra,}async Ra) GOT STAR LOCAL SEL LOCK

**Cause**
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

**Action**
None. This message is issued during normal processing and is not intended for customer tracking or message automation.
**SCF1477I**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) GOT STAR REMOTE SEL LOCK

**Cause**
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

**Action**
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

**SCF1478I**

MSC - GROUP=msc_group_name OBTAINED ALL SEL LOCKS

**Cause**
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

**Action**
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

**SCF1479I**

MSC - GROUP=msc_group_name NOT ABLE TO OBTAIN ALL STAR SEL LOCKS

**Cause**
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

**Action**
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

**SCF147AR**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) OVERWRITE SCRATCH AREA? - ALL, YES, OR NONE

**Cause**
This message is issued during MSC initialization to allow MSC to overwrite a valid scratch area. This functionality is enabled via the SCF initialization parameter SCF.MSC.OVERWRITE=YES.
Action
Reply ALL to overwrite all of the MSC scratch areas, YES to overwrite the scratch area referenced by this message, or NONE to bypass the overwrite.

SCF147BR

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) OVERWRITE
MBLIST? - ALL, YES, OR NONE

Cause
This message is issued during MSC initialization to allow MSC to overwrite a valid multi-box list area. This functionality is enabled via the SCF initialization parameter SCF.MSC.OVERWRITE=YES.

Action
Reply ALL to overwrite all of the MSC multi-box list areas, YES to overwrite the multi-box list area referenced by this message, or NONE to bypass the overwrite.

SCF1480I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) FREEING STAR SEL LOCKS

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF1481I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) LOCAL STAR SEL LOCK FREED

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF1482I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) REMOTE STAR SEL LOCK FREED
**SCF1483E**

MSC - GROUP=msc_group_name (ccuu, {sync_ra, async_ra})  RMT STAR VALID
SCRATCH AREA - MSC NOT ACTIVE

**Cause**
MSC is starting and found a valid MSC scratch area, but found MSC was not active.

**Action**
Determine why the MSC scratch area is defined, but MSC is not active. The most likely cause is that cleanup from MSC and SRDF/Star has not been performed.

**SCF1483W**

MSC - GROUP=msc_group_name (ccuu, {sync_ra, async_ra})  RMT STAR VALID
SCRATCH AREA - MSC NOT ACTIVE

**Caution**
MSC is starting and found a valid MSC scratch area, but found MSC was not active.

**Note**
This message is issued as a warning and not an error because SCF.MSC.OVERWRITE=YES is specified.

**Action**
Determine why the MSC scratch area is defined, but MSC is not active. The most likely cause is that cleanup from MSC and SRDF/Star has not been performed.

**SCF1484E**

MSC - GROUP=msc_group_name (ccuu, {sync_ra, async_ra})  REMOTE STAR
SCRATCH AREA IS NOT VALID

**Cause**
MSC has been started and the SRDF/A MSC multi-box scratch area contains either an invalid eyecatcher or is not marked complete.

**Action**
Determine why the SRDF/A MSC multi-box scratch area contains invalid data.
SCF1484W

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) REMOTE STAR
SCRATCH AREA IS NOT VALID

**Cause**
MSC has been started and the SRDF/A MSC multi-box scratch area contains either an invalid eyecatcher or is not marked complete.

**Note**
This message is issued as a warning and not an error because SCF.MSC.OVERWRITE=YES is specified.

**Action**
Determine why the SRDF/A MSC multi-box scratch area contains invalid data.

SCF1485E

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) REMOTE STAR
MBLIST IS EMPTY

**Cause**
MSC has been started in the High Availability mode, but the SRDF/A MSC multi-box list is empty.

**Action**
Determine why the SRDF/A MSC multi-box list is empty.

SCF1486E

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) REMOTE STAR
MBLIST DOES NOT MATCH

**Cause**
MSC has been started in the High Availability mode, but the SRDF/A MSC multi-box list does not match the definition that MSC has.

**Action**
Determine why the SRDF/A MSC multi-box list does not match.

SCF1487E

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) LOCAL STAR
MBLIST IS NOT EMPTY

**Cause**
MSC running in SRDF/Star mode has been started and the SRDF/A MSC multi-box list currently has an MSC definition.
Action
Determine why the SRDF/A MSC multi-box list is not empty. A possible cause is that another SRDF/A MSC definition may already be defined. Also, cleanup of another SRDF/A MSC definition may not have been completed.

SCF1488E

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) LOCAL STAR MBLIST DOES NOT MATCH

Cause
MSC has been started in the High Availability mode, but the SRDF/A MSC multi-box list does not match the definition that MSC has.

Action
Determine why the SRDF/A MSC multi-box list does not match.

SCF1489E

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) LOCAL STAR MBLIST IS NOT EMPTY

Cause
MSC in SRDF/Star mode has been started and the SRDF/A MSC multi-box list currently has an MSC definition.

Action
Determine why the SRDF/A MSC multi-box list does not empty. A possible cause is that another SRDF/A MSC definition may already be defined. Also, cleanup of another SRDF/A MSC definition may not have been completed.

SCF1489W

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) LOCAL STAR MBLIST IS NOT EMPTY

Cause
MSC in SRDF/Star mode has been started and the SRDF/A MSC multi-box list currently has an MSC definition.

Note
This message is issued as a warning and not an error because SCF.MSC.OVERWRITE=YES is specified.

Action
Determine why the SRDF/A MSC multi-box list is not empty. A possible cause is that another SRDF/A MSC definition may already be defined. Also, cleanup of another SRDF/A MSC definition may not have been completed.
**SCF1490E**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) REMOTE STAR

MBLIST IS NOT EMPTY

**Cause**
MSC in SRDF/Star mode has been started and the SRDF/A MSC multi-box list currently has an MSC definition.

**Action**
Determine why the SRDF/A MSC multi-box list is not empty. A possible cause is that another SRDF/A MSC definition may already be defined. Also, cleanup of another SRDF/A MSC definition may not have been completed.

**SCF1490W**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) REMOTE STAR

MBLIST IS NOT EMPTY

**Cause**
MSC in SRDF/Star mode has been started and the SRDF/A MSC multi-box list currently has an MSC definition.

**Note**
This message is issued as a warning and not an error because SCF.MSC.OVERWRITE=YES is specified.

**Action**
Determine why the SRDF/A MSC multi-box list is not empty. A possible cause is that another SRDF/A MSC definition may already be defined. Also, cleanup of another SRDF/A MSC definition may not have been completed.

**SCF1491E**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) VALID STAR

SCRATCH AREA - MSC NOT ACTIVE

**Cause**
MSC is starting and found a valid MSC scratch area, but found MSC was not active.

**Action**
Determine why the MSC scratch area is defined, but MSC is not active. The most likely cause is that cleanup from MSC and SRDF/Star has not been performed.
**SCF1491W**

MSC - GROUP=msc_group_name (ccuu, {sync_ra, async_ra}) VALID STAR
SCRATCH AREA - MSC NOT ACTIVE

**Cause**

MSC is starting and found a valid MSC scratch area, but found MSC was not active.

**Note**

This message is issued as a warning and not an error because SCF.MSC.OVERWRITE=YES is specified.

**Action**

Determine why the MSC scratch area is defined, but MSC is not active. The most likely cause is that cleanup from MSC and SRDF/Star has not been performed.

---

**SCF1492E**

MSC - GROUP=msc_group_name (ccuu, {sync_ra, async_ra}) LOCAL STAR
SCRATCH AREA IS NOT VALID

**Cause**

MSC has been started and the SRDF/A MSC multi-box scratch area contains either an invalid eyecatcher or is not marked complete.

**Action**

Determine why the SRDF/A MSC multi-box scratch area contains invalid data.

---

**SCF1492W**

MSC - GROUP=msc_group_name (ccuu, {sync_ra, async_ra}) LOCAL STAR
SCRATCH AREA IS NOT VALID

**Cause**

MSC has been started and the SRDF/A MSC multi-box scratch area contains either an invalid eyecatcher or is not marked complete.

**Note**

This message is issued as a warning and not an error because SCF.MSC.OVERWRITE=YES is specified.

**Action**

Determine why the SRDF/A MSC multi-box scratch area contains invalid data.
SCF1493E

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) CONGROUP NOT FOUND

**Cause**
MSC has been started in SRDF/Star or SRDF/SQAR mode and the ConGroup verification API cannot locate ConGroup on the LPAR.

**Action**
Start ConGroup to protect the synchronous mirror and then restart MSC.

SCF1494E

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) CONGROUP INTERFACE RC = rc, RSN= rsn

**Cause**
MSC has been started in SRDF/Star or SRDF/SQAR mode and the ConGroup verification API is returning RC=rc and RSN=rsn.

**Action**
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1495E

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) CONGROUP PROTECTION NOT FOUND

**Cause**
MSC has been started in SRDF/Star or SRDF/SQAR mode and the ConGroup verification API has determined that the required ConGroup protection is not provided.

**Action**
Start ConGroup to protect the synchronous mirror and then restart MSC.

SCF1496I

MSC - GROUP=msc_group_name Perform config SDDF function for Session 1

**Cause**
This is an MSC/Star, MSC/Star-A, or MSC/SQAR process status message enabled by VERBOSE settings, intended for reference if diagnosing a processing problem. Note that config is Star, Star-A, or SQAR and function is RESET, ACTIVATE, or DEACTIVATE.
For SDDF RESET, the SCF1496I message is unconditionally issued to the SCF joblog and the text is changed to standardize it for Star(-A) and SQAR configurations.

**Action**
For ACTIVATE and DEACTIVATE, no action is required. The message is issued during normal processing and is not intended for customer tracking or message automation.

For RESET, ensure that the SCF1496I message is issued to determine if SDDF processing is progressing normally. The absence of the SCF1496I message indicates a problem.

---

**SCF1497I**

MSC - GROUP=msc_group_name Perform config SDDF function for Session 2

**Cause**
This is an MSC/Star, MSC/STAR-A or MSC/SQAR process status message enabled by VERBOSE settings, intended for reference if diagnosing a processing problem. Note that config is Star, STAR-A or SQAR and function is RESET, ACTIVATE, or DEACTIVATE.

For SDDF RESET, the SCF1497I message is unconditionally issued to the SCF joblog and the text is changed to standardize them for STAR(-A) and SQAR configurations.

**Action**
For ACTIVATE and DEACTIVATE, no action is required. The message is issued during normal processing and is not intended for customer tracking or message automation.

For RESET, ensure that the SCF1497I message is issued to determine if SDDF processing is progressing normally. The absence of the SCF1497I message indicates a problem.

---

**SCF1498I**

MSC - GROUP=msc_group_name PERFORM SDDF FUNCTION=',,,' FOR SDDF SRDFA

**Cause**
This is an MSC/Star process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

**Action**
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

---

**SCF1499I**

MSC - GROUP=msc_group_name DONE PERFORMING SDDF FUNCTION

**Cause**
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.
Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF1500I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) PERFORM SDDF FUNCTION FOR SDDF J01

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF1501I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) PERFORM SDDF FUNCTION FOR SDDF J02

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF1502I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) PERFORM SDDF FUNCTION FOR SDDF SRDFA

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF1503I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) ARMED TO FREEZE

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.
**SCF1504I**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) DISARM TO FREEZE

**Cause**
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

**Action**
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

**SCF1505I**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) FROZEN

**Cause**
MSC is running in SRDF/Star or SRDF/SQAR mode and has found that the devices in the synchronous mode have tripped. This happens at the same time as a ConGroup trip event.

**Action**
This message is informational. No action is required.

**SCF1506I**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) FORCE CYCLE SWITCH

**Cause**
MSC is running in SRDF/Star or SRDF/SQAR mode and has found that the devices in the synchronous mode have tripped. This happens at the same time as a ConGroup trip event. The automatic force of the cycle switch is being done.

**Action**
This message is informational. No action is required.

**SCF1507I**

MSC - GROUP= msc_group_name ARMED TO FREEZE

**Cause**
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.
**SCF1508I**

MSC - GROUP= msc_group_name DISARMED TO FREEZE

**Cause**
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

**Action**
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

**SCF1509I**

MSC - GROUP= msc_group_name FROZEN

**Cause**
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

**Action**
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

**SCF1510E**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) RECOVERY RDFGRP INVALID

**Cause**
MSC has been started in SRDF/Star or SRDF/SQAR mode. For SRDF/Star, the recovery SRDF group between Site C and Site B is not valid. For SRDF/SQAR, the recovery SRDF group between Site C and Site D is not valid.

**Action**
Make sure that the SRDF group RA2 specified in the INCLUDE_SESSION=dddd, (RA1),(RA2) is an empty SRDF group going from Site C to Site B for SRDF/Star and from Site C to Site D for SRDF/SQAR.

**SCF1511I**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) REGISTER SDDF SESSION 1
**Cause**

This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

**Action**

None. This message is issued during normal processing and is not intended for customer tracking or message automation.

---

**SCF1512I**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) REGISTER SDDF SESSION 2

---

**Cause**

This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

**Action**

None. This message is issued during normal processing and is not intended for customer tracking or message automation.

---

**SCF1513I**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) RESET SDDF SESSION 1

---

**Cause**

This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

**Action**

None. This message is issued during normal processing and is not intended for customer tracking or message automation.

---

**SCF1514I**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) RESET SDDF SESSION 2

---

**Cause**

This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

**Action**

None. This message is issued during normal processing and is not intended for customer tracking or message automation.
SCF1515I
MSC - GROUP=msc_group_name (ccuu, {sync_ra, async_ra}) ACTIVATE SDDF SESSION 1

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF1516I
MSC - GROUP=msc_group_name (ccuu, {sync_ra, async_ra}) ACTIVATE SDDF SESSION 2

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF1517I
MSC - GROUP=msc_group_name (ccuu, {sync_ra, async_ra}) DEACTIVATE SDDF SESSION 1

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF1518I
MSC - GROUP=msc_group_name (ccuu, {sync_ra, async_ra}) DEACTIVATE SDDF SESSION 2

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.
**Action**
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

**SCF1519I**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) CLOSE SDDF SESSION 1

**Cause**
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

**Action**
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

**SCF1520I**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) CLOSE SDDF SESSION 2

**Cause**
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

**Action**
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

**SCF1521I**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) PERFORM PEND_DROP

**Cause**
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

**Action**
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

**SCF1522I**

MSC - GROUP=msc_group_name MSC IS NOT ACTIVE - SHUTDOWN

**Cause**
An MSC server has disabled MSC, causing the SRDF groups in the MSC_GROUP to no longer be running in MSC mode. The MSC server issuing this message will automatically quiesce itself.
SCF1523I

MSC - GROUP=msc_group_name GLOBAL CONSISTENCY HAS BEEN ACHIEVED

Cause
The MSC_GROUP has reached consistency across the entire configuration.

Action
None.

SCF1524I

MSC - GROUP=msc_group_name GLOBAL CONSISTENCY HAS BEEN LOST

Cause
The MSC_GROUP had reached consistency across the entire configuration in the past, but due to circumstances in the environment, consistency has been lost. A common cause of lost consistency is a FlashCopy operation or the target of a TimeFinder/Clone operation (full volume or dataset) has an SRDF/A R1 as a target device.

Action
None. Consistency should be regained after MSC cycle switching has caught up the accumulated tracks.

SCF1525I

MSC - GROUP=msc_group_name STAR RECOVERY IS NOW AVAILABLE

Cause
The MSC_GROUP has reached consistency across the entire configuration and the SRDF/Star SDDF sessions are ready to track changes at Sites B and C.

Action
None.

SCF1526I

MSC - GROUP=msc_group_name STAR RECOVERY IS NO LONGER AVAILABLE

Cause
At some time in the past, the MSC_GROUP reached consistency across the entire configuration and the SRDF/Star SDDF sessions were ready to track changes at Sites
B and C. Now either consistency has been lost or the SRDF/Star SDDF sessions are no longer tracking changes (or both).

**Action**
None.

---

**SCF1527I**

MSC - GROUP=msc_group_name STAR SITE C IS MOVING AHEAD OF SITE B

**Cause**
The MSC_GROUP has found the SRDF group is no longer ready on the link and the data at Site C will be moving ahead of the data at Site B.

**Action**
None.

---

**SCF1528W**

MSC - GROUP=msc_group (ccuu,{sync_ra,}async_ra) Active R2 Restore, Host Cleanup delayed

**Cause**
MSC Host Cleanup cannot proceed while an SRDF/A R2 Restore operation is active.

**Action**
None. If the R2 Restore does not complete after three attempts, SCF1529R will be issued.

---

**SCF1529R**

MSC - Group=msc_group R2 Restore Retry limit exceeded, reply RETRY, CONTinue or CANcel

**Cause**
Host Cleanup cannot proceed during an active R2 Restore operation. If the R2 Restore is not complete after three additional checks, Host Cleanup will wait for user intervention.

**Action**
Reply RETRY to re-initiate Host Cleanup (allowing up to three additional checks). This is the recommended response. Reply CONTinue to allow Host Cleanup to proceed without any additional R2 Restore checks (depending upon timing, the actual cleanup may be successful later on). Reply CANcel to terminate Host Cleanup.

**More Information**
Note that the condition that caused the R2 Restore delay needs to be resolved. The EHCMSCE Clean Up Utility (or EHCMSCM6 for SRDF/Star or SRDF/SQAR) may need to be run before re-activating SRDF/A.
SCF1530I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra)  RESET TIMEOUT FOR DEVICE (symdv#)

Cause
This message indicates that the SRDF/Star SDDF session reset for PowerMax/VMAX device symdv# failed to complete in a timely fashion.

Action
If this happens once and does not occur again, no action is required. If this happens repeatedly, there is a problem with a DA performing the SDDF function. Contact the Dell EMC Customer Support Center for technical assistance.

SCF1531I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra)  REDUCING SIMULTANEOUS RESET TO (nn)

Cause
At least one device had an error during the previous SDDF reset cycle.

Action
None. The software will reduce the number of simultaneous resets.

SCF1532E

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra)  ERROR=rc FOR DEVICE dev#

Cause
While MSC Group msc_group_name was running in SRDF/Star mode for the SRDF group pointed at by gatekeeper ccuu, an error rc occurred while trying to perform a SDDF reset function for the PowerMax/VMAX device dev# in the remote system. Some of the possible values for rc are the following:

- x'17' indicates an invalid record length.
- x'18' indicates an invalid tag for the device.
- x'19' indicates an activate or deactivate failed.
- x'1A' indicates another operation is in progress for the device. This usually means the system is busy.
- x'1B' indicates the process failed to start a background task. This usually means the system is busy.
- x'1C' indicates the process will never run. It is being routed incorrectly.
- x'1D' indicates a system time overrun.
- x'1E' indicates an invalid SDDF index.
- x'1F' indicates a resource failure.
**SCF1533E**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) SYMD=(dev#) NOT IN CGRP = STARB

**Cause**
SRDF/Star is being requested but the PowerMax/VMAX device number dev# does not have ConGroup protection.

**Action**
Place the PowerMax/VMAX device number dev# under ConGroup protection.

**SCF1534E**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) GLOBAL SDDF RESET FAILURE

**Cause**
This message is usually issued when communication from the local site to the remote site is lost.

**Action**
Depending on the particulars, usually no action is required. If this message is issued when the links from the local to the remote site did not have a disruption, then review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**SCF1535I**

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) DELETING OLD SDDF SESSIONS

**Cause**
A new SRDF/Star definition is initializing and an existing SRDF/Star SDDF session has been found on at least one R2 device. The code will automatically close all existing SRDF/Star SDDF sessions.
Action
None.

SCF1536I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) DONE DELETING OLD SDDF SESSIONS

Cause
A new SRDF/Star definition is initializing and an existing SRDF/Star SDDF session has been found on at least one R2 device. The code has completed the closing of all existing SRDF/Star SDDF sessions.

Action
None.

SCF1537I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) DELETING DEVICE (',,')

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF1538E

MSC - GROUP=msc_group (ccuu,{sync_ra,}async_ra) Swap detected in SDDF task

Cause
A UCB Swap of the MSC gatekeeper caused an SDDF function to fail.

Action
A termination of the MSC task will be initiated. The action taken by MSC is to recognize the swap and avoid an abend in the SDDF subtask.

SCF1539W

MSC - GROUP=msc_group (ccuu,{sync_ra,}async_ra) Query timeout in SDDF task

Cause
The internal SDDF Query after a set of reset requests did not detect a status change.
Action
If this error persists, contact the Dell EMC Customer Support Center for technical assistance.

SCF153AI
MSC - GROUP=msc_group (ccuu,{sync_ra,}async_ra) Wait for SDDF task completion

Cause
Host Cleanup is waiting for the SDDF task to complete.

Action
None.

SCF153BW
MSC - GROUP=msc_group (ccuu,{sync_ra,}async_ra) SDDF Task completion wait timeout

Cause
The SDDF resets did not complete within 3 minutes.

Action
Contact the Dell EMC Customer Support Center for technical assistance.

SCF153CW
MSC - GROUP=msc_group (ccuu,{sync_ra,}async_ra) Invalid ss SDDF Tag tttt

Cause
During Restart or Takeover processing for Star or SQAR, an invalid SDDF tag was found. ss indicates the SDDF session type (B1, B2, or C1). The SDDF tag ID (tttt) is typically 0000 for this error.

Action
The SDDF sessions are managed only by the Primary Server. The likely cause during Takeover is that the Primary Server did not achieve "Recovery available" or was never started. In this case, Takeover is not possible until the Primary Server is started and achieves "Recovery available".

If this error occurred during a restart, there could be a problem with the MSC scratch area. A cleanup of the storage system info (M6) might be required, followed by a restart of the Primary Server. Contact Dell EMC Technical Support for assistance.

SCF153DI
MSC - GROUP=msc_group (ccuu,asyncra) SDDF Reset for Session n status
Cause
If status="is active", a Star Dynamic Device Delete is being processed during an active SDDF Reset operation, where \( n \) is 1 or 2 (this pertains to the main SDDF sessions).

Dynamic Device Delete will wait for SDDF Reset processing to complete before closing the SDDF sessions for the removed devices. The status will be checked every 30 seconds for up to 15 minutes. If the reset does not complete within this timeframe, a WTOR will be issued. See message SCF153ER for more information.

Action
None. This message is informational.

SCF153ER

MSC - GROUP=msc_group (ccuu,asyncra) SDDF Reset is still active, reply RETRY or CANcel

Cause
A timeout occurred waiting for SDDF Reset processing to complete on behalf of a Star Dynamic Device Delete. See message SCF153DI for more information.

Action
Reply RETRY to commence another status check or CANcel to terminate Dynamic Device Delete (the devices will not be removed from Star SDDF management). A DELDEV command can be issued later to redrive the Dynamic Delete request.

SCF153FE

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) SDDF id Session not found for device symdv#

Cause
During RESTART or TAKEOVER, the SDDF session does not exist for the indicated device.

Action
Run the M6 Cleanup utility and restart SRDF/Star or SRDF/SQAR. For SRDF/SQAR, M6 must be run separately for each group.

SCF1540E

MSC - GROUP=msc_group_name SDDF ACTIVATION AT SITE C FAILED

Cause
A failure to be able to activate the SRDF/Star SDDF session at Site C is preventing the MSC from cycle switching.

Action
None. This message should never be issued. The message was added so that an error would be indicated if the SRDF/Star SDDF sessions could not be activated.
MSC - GROUP=msc_group_name CANNOT ADD CONGROUP ECBs

Cause
An internal error is preventing the MSC task from being able to add the ConGroup listener ECBs.

Action
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

MSC - GROUP=msc_group_name CANNOT LOCATE CONGROUP SUBSYSTEM

Cause
The MSC task was started in SRDF/Star or SRDF/SQAR mode but the ConGroup subsystem is not running on the LPAR.

Action
Start the ConGroup task that will protect the synchronous mirror of the devices in your SRDF/Star or SRDF/SQAR configuration.

MSC - GROUP=msc_group_name CONGROUP PC NOT AVAILABLE

Cause
The ConGroup task has not defined or has removed the ConGroup API PC.

Action
Restart your ConGroup task. If the problem repeats, make sure that the ConGroup maintenance is up to date.

MSC - GROUP=msc_group_name [STAR|SQAR] MUST BE DISABLED BEFORE CONGROUP CAN BE STOPPED OR REFRESHED

Cause
A STOP or REFRESH command to the ConGroup task has been issued. MSC is running in SRDF/Star or SRDF/SQAR mode and will prevent the STOP until the SRDF/Star or SRDF/SQAR definition is disabled.
**Action**
Procedurally, the SRDF/Star or SRDF/SQAR definition must be disabled before the ConGroup task can be stopped and refreshed.

**SCF1545E**

MSC - GROUP=msc_group_name [STAR|SQAR] MUST BE DISABLED BEFORE CONGROUP GROUP = cgrpname CAN BE DISABLED;

**Cause**
Someone has requested that CONGROUP=cgrpname be disabled. MSC is running in SRDF/Star or SRDF/SQAR mode and will prevent the disable until the SRDF/Star or SRDF/SQAR definition is disabled.

**Action**
Procedurally, the SRDF/Star or SRDF/SQAR definition must be disabled before the CONGROUP=cgrpname can be disabled.

**SCF1546E**

MSC - GROUP=msc_group_name CGROUP = cgrpname IS NOT ENABLED

**Cause**
SRDF/Star or SRDF/SQAR has been started, but CONGROUP=cgrpname is not active and enabled.

**Action**
Make the CONGROUP=cgrpname active and enabled, and then restart SRDF/Star or SRDF/SQAR.

**SCF1547E**

MSC - GROUP=msc_group_name CGROUP = cgrpname IS NOT ENABLED

**Cause**
SRDF/Star or SRDF/SQAR has been started, but CONGROUP=cgrpname is enabled but not active.

**Action**
Make the CONGROUP=cgrpname active and enabled, and then restart SRDF/Star or SRDF/SQAR.

**SCF1548E**

MSC - GROUP=msc_group_name CGROUP = cgrpname IS SUSPENDED

**Cause**
SRDF/Star or SRDF/SQAR has been started, but CONGROUP=cgrpname is enabled but suspended.
Action
Make the CONGROUP =cgrpname active and enabled, and then restart SRDF/Star or SRDF/SQAR.

SCF1549I

MSC - GROUP= msc_group_name (ccuu, {sync_ra,}async_ra) UCB SWAP DETECTED - MSC QUIESCE

Cause
MSC has detected that the storage system that it was communicating with previously is not the same as the storage system it is communicating with now. This is most likely caused by a UCB swap.

Action
Review the SCF MSC messages that follow to determine status of the related SRDF/A MSC group. If this message is not the result of an SRDF/Star or SRDF/SQAR planned site switch, investigate SYSLOG for the cause of UCB swap.

Refer to “SRDF/A Recovery Scenarios” and “SRDF/A MSC Recovery Scenario” in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for the actions necessary to restart this SRDF/A MSC group.

SCF154BE

MSC - GROUP= msc_group (ccuu, {sync_ra,}async_ra) SDDF Query error, rcx xxxxxxxx, retry limit exceeded

Cause
An SDDF query failed as well as all subsequent attempts to retry. This error pertains to the poll after an SDDF reset for STAR configurations.

Action
If SDDF processing is stalled as a result of this error, a restart of the MSC Star group might alleviate this problem.

Collect all applicable documentation, including the SCF trace file, and contact Dell EMC Technical Support.

SCF154BW

MSC - GROUP= msc_group (ccuu, {sync_ra,}async_ra) SDDF Query error, rcx xxxxxxxx, retry successful

Cause
An SDDF Query failed, but the subsequent retry was successful. This is a warning message, issued to the SCF log file.

Action
Star SDDF processing should not be affected. However, if there are any problems with Star SDDF processing, collect all applicable documentation, including the SCF trace file, and contact Dell EMC Technical Support.
SCF154CE

MSC - GROUP=msc_group (ccuu{,rdfgrp}) SDDF RESET processing failed in Symm nnnnnnn-nnnn

**Cause**
An unrecoverable SDDF Reset error occurred in the storage system with serial number nnnnnnn-nnnn. For concurrent Star configurations, the SDDF Sessions are managed in the "B" system, and the synchronous SRDF group will be displayed after the gatekeeper. For cascaded configurations, the SDDF sessions are managed in the "A" system, and no SRDF group will be displayed.

**Action**
Collect all applicable documentation, including the SCF trace file and contact Dell EMC Technical Support.

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SCF1550I

MSC - GROUP= msc_group_name SDDF TAKEOVER - PRE STAR MODE

**Cause**
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

**Action**
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

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SCF1551I

MSC - GROUP= msc_group_name SDDF TAKEOVER - SDDF B1 ACTIVE AND SDDF B2 ACTIVE

**Cause**
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

**Action**
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

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SCF1552I

MSC - GROUP= msc_group_name SDDF TAKEOVER - SDDF B1 ACTIVE AND SDDF B2 DEACTIVE

**Cause**
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.
MSC - GROUP= msc_group_name SDDF TAKEOVER - SDDF B1 DEACTIVE AND SDDF B2 ACTIVE

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

MSC - GROUP= msc_group_name SDDF TAKEOVER - SITEC IS AHEAD

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

MSC - GROUP= msc_group_name SDDF TAKEOVER - SDDF B1 LAST ACTION RESET/COMPLETED

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

MSC - GROUP= msc_group_name SDDF TAKEOVER - SDDF B2 LAST ACTION RESET/COMPLETED

Cause
This is an MSC/Star or MSC/SQAR process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.
Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF1557I

MSC - GROUP= msc_group_name WAITING FOR INITIALIZATION/TERMINATION ENQUE

Cause
The MSC server running MSC Group msc_group_name is attempting to get the INITIALIZATION /TERMINATION enqueue that is already held. This message will be issued if multiple MSC servers are attempting to start or terminate at the same time. The ENQ (QNAME=EMCMSC-) and the RNAME=(MSC INIT-TERM FOR BOX sssssssssss RDFGRP srdfgrp).

Action
Typically there should be no action. If this message prevents MSC, SRDF/Star, or SRDF/SQAR from starting, then examine the ENQs to see who is holding the ENQ.

SCF1558I

MSC - GROUP= msc_group_name CGROUP=cgrp CONGROUP DISABLED

Cause
A ConGroup Resume is in process for MSC Group msc_group_name and ConGroup=cgrp and the consistency group is now disabled.

Action
This message should be followed by SCF1559I. If the SCF1559I message is not received, you should examine your consistency group and determine why it never enabled.

SCF1559I

MSC - GROUP= msc_group_name CGROUP=cgrp CONGROUP ENABLED

Cause
A ConGroup Resume is in process for MSC group msc_group_name and ConGroup=cgrp and the consistency group is now enabled.

Action
None.

SCF1560I

MSC - GROUP= msc_group_name (ccuu,{sync_ra,}async_ra) GOT THE FOLLOWING ERROR
Cause
Whenever you enter the sai_error routine that issues either SCF1325E or SCF1561E, this message will be issued to identify which SRDF group had the error.

Action
None.

SCF1561E

MSC - CYCLE SWITCH ERROR (X) RC=Y

Cause
The logic that performs the MSC cycle switch had an error.

X is one of four values:
- **First query failed** - Never did the open and switch because an error occurred before it could start.
- **Open/switch failed** - A failure occurred while issuing the open and switch.
- **Second query failed** - The open and switch was completed successfully but an error occurred before it could close.
- **Close failed** - A failure occurred while issuing the close.

Y is an internal return code.

Action
SRDF/A MSC has stopped cycle switching and most likely has dropped for the MSC_GROUP. This message explains why it stopped. The recovery of the SRDF/A environment is required.

SCF1562I

MSC - GROUP=msc_group_name (ccuu, {sync_ra, async_ra}) SER=SSSSSSSSSSSS CYCLE SWITCH DELAY - TRANSMIT

Cause
When attempting to perform the cycle switch, the primary side system with SER=SSSSSSSSSSSS and SRDF group async_ra is not ready to cycle switch because the transmit cycle is not empty. The message will be issued once every 5 seconds until the cycle switch is performed.

Action
None required. You may want to examine the SRDF link to determine why the transmit has not completed in the time expected.

SCF1563I

MSC - GROUP=msc_group_name (ccuu, {sync_ra, async_ra}) SER=SSSSSSSSSSSS CYCLE SWITCH DELAY - RESTORE

Cause
When trying to complete the cycle switch, the secondary side system with SER=SSSSSSSSSSSS and SRDF group async_ra is not ready to cycle switch because
the restore cycle is not empty. The message will be issued once every 5 seconds until the cycle switch is performed.

Action
None is required. However, you may want to examine the secondary side disk directors to determine why the restore is not completed in the time expected.

SCF1564I

MSC - GROUP=msc_group_name TIME OF DAY FOR CYCLE cccccccc IS HH:MM:SS.TH (x CE)

Cause
The MSC server for MSC group msc_group_name has cycle switched for cycle cccccccc at the time HH:MM:SS.TH. Note that more than one MSC server may issue this message with slightly different times. The message with the lowest time for the cycle is more accurate. When Consistency Exempt is detected, this message will display the total count of devices in CE mode (for all MSC groups).

Action
None.

SCF1565W

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) SDDF QUERY TO DA - MISSING PATCH

Cause
One of the MSC initialization statements SCF.MSC.SDDFQ.TODA=YES, SCF.MSC.SDDFQ.TOMF=YES, or SCF.MSC.SDDFQ.TOOS=YES has been specified but the required operating environment patch (30489) to use these parameters is not found on the system indicated by ccuu and the SRDF group number.

Action
Add the required patch or remove the parameter.

SCF1566W

MSC - GROUP=msc_group_name (ccuu,{sync_ra,}async_ra) SDDF QUERY TO MF HA - MISSING DIR

Cause
The initialization parameter SCF.MSC.SDDFQ.TOMF=YES is set, indicating that syscall 017F/0A is to run to the mainframe host adapters, but none are found in the system.

Action
Change the initialization parameter to something other than SCF.MSC.SDDFQ.TOMF=YES or add mainframe host adapters.
SCF1567W

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) SDDF QUERY TO MF OS - MISSING DIR

Cause
The initialization parameter SCF.MSC.SDDFQ.TOOS=YES indicates that syscall 017F/0A is to be run to the open system host adapters, but none are found in the system.

Action
Change the initialization parameter to something other than SCF.MSC.SDDFQ.TOOS=YES or add open stem host adapters.

SCF1568I

MSC - GROUP= msc_group_name WEIGHT FACTOR = X

Cause
Whenever MSC is started, it will display the MSC_WEIGHT_FACTOR value.

Action
None.

SCF1569I

MSC - GROUP= msc_group_name STEAL LOCK AFTER = NNN MIN(S)

Cause
This message is issued when the SCF PARAMETER SCF.MSC.MAX.LOCK.WAIT=NNN is found where 1 <=NNN <=720 and MSC is started.

Action
None.

SCF156AI

MSC - GROUP=msc_group (ccuu,ra) SER=ser_num, Cycle Switch delay - Suspend

Cause
As the result of a consistency operation from another application, an SRDF/A group was found to be in a suspended state. To facilitate the consistency operation, cycle switching will be suspended until all of the MSC managed SRDF/A groups are resumed.

Action
None.
SCF1570I

MSC - GROUP= msc_group_name GOT ADDRESS FOR ASY = ',,,' FOR = ',,,)

Cause
This is an MSC/Star process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF1571I

MSC - GROUP= msc_group_name CYCLE SWITCH BACK LEVEL

Cause
An MSC server has determined that another MSC server has already cycle switched.

Action
None. This is a normal message for a secondary MSC server.

SCF1572I

MSC - GROUP=msc_group_name xxxx CONTINUES

Cause
A reply of CONTINUE was done to the action xxxx for message SCF1471R, where xxxx can be either DEACT, DEACTREFRESH, DEACTRESTART, or DEACTRESTARTTOZERO. The action xxxx is processed as requested.

Action
None.

SCF1573I

MSC - GROUP=msc_group_name xxxx CANCELED

Cause
A reply of CANCEL was done to the action xxxx for message SCF1471R, where xxxx can be either DEACT, DEACTREFRESH, DEACTRESTART, or DEACTRESTARTTOZERO. The action xxxx is aborted and cycle switching continues.

Action
None.
MSC - GROUP=msc_group_name xxxx CONVERTED TO yyyy

**Cause**
A reply of DISABLE was done to the action xxxx for “SCF1471R”. Where xxxx can be either DEACT, DEACTREFRESH, DEACTRESTART, or DEACTRESTARTTOZERO. The action xxxx is changed to action yyyy and action yyyy will continue. Where:

<table>
<thead>
<tr>
<th>xxxx</th>
<th>yyyy</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEACT</td>
<td>DISABLE</td>
</tr>
<tr>
<td>DEACTREFRESH</td>
<td>REFRESH</td>
</tr>
<tr>
<td>DEACTRESTART</td>
<td>RESTART</td>
</tr>
<tr>
<td>DEACTRESTARTTOZERO</td>
<td>RESTART</td>
</tr>
</tbody>
</table>

**Action**
None.

MSC - GROUP=msc_group_name AUTO RECOVERY INITIATED

**Cause**
Automated Recovery has been initiated for the MSC group.

**Action**
None.

MSC - GROUP=msc_group_name AUTO RECOVERY COMPLETED

**Cause**
Automated Recovery has completed for the MSC group.

**Action**
None.
**SCF1578E**

**Cause**
Automated Recovery has been initiated for the SRDF/A group for the indicated jobname. This message was issued from MSC Automated Recovery when it starts the Automated Recovery started tasks.

**Action**
This message is informational. No action is required.

**SCF1579I**

**MSC - GROUP=msc_group_name (ccuu, {sync_ra, async_ra})**

**Cause**
An MSC server is starting in MSC mode, but the MSC group msc_group_name active in SRDF/Star or SRDF/SQAR mode.

**Action**
A Secondary MSC server must run in the same mode as the Primary server. Change the SRDF initialization parameters to match the specification of the Primary server.

**SCF1580I**

**MSC - GROUP=msc_group_name (ccuu, {sync_ra, async_ra})**

**jobname(Snnnnnnn), AUTO RECOVERY COMPLETED, RC rc**

**Cause**
Automated Recovery completed for the SRDF/A group identified by the indicated ccuu and SRDF group and the indicated jobname with return code rc. This message was issued from the Auto Recovery started task referenced by jobname(Snnnnnnn) where Snnnnnnn is its JES Started Task number.

**Action**
None if the return code is 0. Otherwise, check the output from the EMCRRCVRY job to determine the cause of the error.
SCF1581I

MSC - SRDFA DROPPED V=cuu, R1=[sync_ra,async_ra] R2=r2 CPF=cc
MSC=(msc_group_name) SCFG=(gns_bcv_group)

**Cause**
SRDF/A has dropped for the group. Note that if remote cycle switching is active, this message displays with the additional async_ra field when running with a Cascaded SRDF configuration.

**Action**
None.

SCF1582E

CG STOP MASTER LISTENER - UNREGISTERED

**Cause**
MSC is running in SRDF/Star or SRDF/SQAR mode and has a CG listener that has just unregistered by the ConGroup address space. This has the potential to create a data loss because SRDF/Star or SRDF/SQAR will not be notified of events that it needs to take action on.

**Action**
Examine your ConGroup address space to determine the problem. Correct the issue and issue an MSC, RESTART to your SRDF/Star or SRDF/SQAR environment.

SCF1583E

CG STOP LISTENER - UNREGISTERED FOR GROUP=cg pname

**Cause**
MSC is running in SRDF/Star or SRDF/SQAR mode and has a CG listener that has just unregistered by the ConGroup address space. This has the potential to create a data loss because SRDF/Star or SRDF/SQAR will not be notified of events for which it needs to take action.

**Action**
Examine your ConGroup address space to determine the problem. Correct the issue and issue an MSC, RESTART to your SRDF/Star or SRDF/SQAR environment.

SCF1584E

MSC - GROUP= msc_group_name MISMATCH CYCLE TAGS

**Cause**
This message indicates that the MSC cycles between SRDF groups are not equal. This indicates that a consistency issue with the SRDF/A SRDF groups has occurred.
**Action**
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**SCF1585E**

```
MSC - ',xxxx,' COMMAND ISSUED BUT NO MSC_GROUP DEFINITION FOUND
```

**Cause**
A command `xxxx` was issued for an MSC group, but no such group is running in the address space.

**Action**
Verify that your MSC group is running before issuing the command.

**SCF1586I**

```
MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) SER=ssssssssss IN SRDFA TRANSMIT IDLE
```

**Cause**
Transmit Idle is engaged, which indicates that MSC cannot cycle switch because the links are down for this SRDF group. MSC can stay in this state until all resources are consumed and then SRDF/A will drop. The recovery point is being elongated while you are in this state.

**Action**
Determine the cause for the link being down and restore your links so that SRDF/A can continue to cycle switch.

**SCF1587R**

```
MSC - GROUP=msc_group_name WAIT FOR SRDFA TRANSMIT IDLE - RETRY OR CANCEL
```

**Cause**
MSC group `msc_group_name` is starting, but one or more SRDF groups in the MSC group (identified in SCF1586I messages) are in the Transmit Idle state. MSC cannot start in this state because it needs to do I/O across the link.

**Action**
Restore your links so that MSC can perform I/O across the link. Then, reply “RETRY” to re-attempt the start of MSC after the Transmit Idle status has been resolved or reply “CANCEL” to terminate MSC.
SCF1588I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra})
SER=symmetrix_serial#  NO LONGER IN SRDFA TRANSMIT IDLE

Cause
The Transmit Idle state has cleared for the indicated SRDF group in the storage system with serial number symmetrix_serial#.

Action
None.

SCF1589E

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) CONGROUP TRIP
WHILE IN SRDFA TRANSMIT IDLE

Cause
While SRDF group for the system with MVS device address ccuu was in the Transmit Idle state, a ConGroup trip occurred. This causes SRDF/Star or SRDF/SQAR to drop all SRDF groups in the MSC_GROUP. While SRDF/Star or SRDF/SQAR is running, consistency cannot be guaranteed if another error condition occurs.

Action
Recover your links and clean up your MSC environment. Then you can restart SRDF/A and restart MSC.

SCF1590I

MSC - GROUP=msc_group_name VERIFY ALL RDFGRPS ARE ACTIVE

Cause
If there are any SRDF groups that cannot cycle switch after the target cycle time and MSC VERBOSE is on, this message is issued approximately every 30 seconds.

Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF1591W

MSC - GROUP=msc_group_name CYCLE TIME WARNING DELAY nn

Cause
The time since the last cycle switch has exceeded 60 minutes (or the value specified in the SCF initialization parameter SCF.MSC.CYCLE.TIME.WARN). nn will start with 1 and increase by 1 with each issuance of the message. This message will be issued up to 24 times.
**Action**
This message is warning you that your recovery point objective is aging. If the condition preventing SRDF/A from being able to cycle switch continues, your data will continue getting older at your recovery site. Take action to allow SRDF/A to cycle switch or at some point you may issue a DROP to any SRDF group in the MSC_GROUP and MSC will drop the remaining SRDF groups.

**SCF1592I**

MSC - GROUP= msc_group_name CYCLE TIME WARN AFTER = nn MIN(S)

**Cause**
The SCF initialization parameter SCF.MSC.CYCLE.TIME.WARN was specified with a valid value between 5 and 60 minutes.

**Action**
None.

**SCF1593E**

MSC - GROUP= msc_group_name CONGROUP TRIP BEFORE [STAR|SQAR] RECOVERY

**Cause**
A ConGroup trip occurred before SRDF/Star or SRDF/SQAR recovery became available.

**Action**
ConGroup must be resumed in order for Star or SQAR recovery to become available. Issue a RESUME for the associated ConGroup name.

**SCF1594I**

MSC - GROUP=msc_group_name AUTO RECOVERY BYPASSED DUE TO PENDDROP

**Cause**
Automated Recovery is bypassed for a PENDDROP command.

**Action**
To initiate Automated Recovery, issue the SC RECOVER,MSC(group_name) command.

**SCF1595I**

MSC - Group=msc_group_name AUTO RECOVERY PHASE 2 INITIATED

**Cause**
Phase 2 of Automated Recovery has been initiated.

**Action**
None.
SCF1596I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra})
jobname(Starting), AUTO RECOVERY PHASE 2 INITIATED

Cause
Automated Recovery has been initiated for the indicated SRDF/A group. This message was issued from MSC Automated Recovery when it starts the Automated Recovery started tasks.

Action
None.

SCF1597W

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra}) REG CALL FAILED
rc/rs/rsnc

Cause
Host Application Registration failed for Automated Recovery.

Action
Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1598I

MSC - GROUP=msc_group_name (ccuu,{sync_ra,async_ra})
jobname(Snnnnnnn), AUTO RECOVERY PHASE 2 COMPLETED, RC rc

Cause
Phase 2 of Automated Recovery completed for the indicated SRDF/A group with return code rc. This message was issued from the Auto Recovery started task referenced by jobname(Snnnnnnn) where Snnnnnnn is its JES Started Task number.

Action
None if the return code is 0; otherwise, check the output from the EMCRCVRY job to determine the cause of the error.

SCF1599I

MSC - GROUP=TEST_MSC1 Auto Recovery bypassed, Secondary Server

Cause
Auto recovery is not supported on a secondary MSC server.

Action
Issue an MSC RESTART command on the secondary server after auto recovery has completed on the primary server.
**SCF159AI**

MSC - GROUP=msc_group PENDDROP bypassed, MSC is not Globally Consistent

**Cause**
A PENDDROP command was issued when MSC was not globally consistent. That is, the R2 data was not consistent. The PENDDROP processing was bypassed.

**Action**
Re-issue the PENDDROP command once MSC achieves global consistency.

**SCF15A0I**

MSC - GROUP=msc_group_name (ccuu,{sync ra,async ra}) SCRATCH AREA BELOW type (serial#/srdf anagroup#)

**Cause**
This message is issued during MSC initialization when a valid scratch area is found for the SRDF/A group on the storage system identified by serial#. type is either LCL or RMT.

**Action**
None.

**SCF15A1I**

MSC - GROUP=msc_group_name (ccuu,{sync ra,async ra}) xxxxxxxxx xxxxxxxxx xxxxxxxxx xxxxxxxxx

**Cause**
This message is issued in conjunction with message SCF15A2I as a delimiter for the dump of the MSC scratch area.

**Action**
None.

**SCF15A2I**

MSC - GROUP=msc_group_name (ccuu,{sync ra,async ra}) xxxxxxxxx xxxxxxxxx xxxxxxxxx xxxxxxxxx

**Cause**
This message is issued to dump the MSC scratch area identified by message SCF15A0I.

**Action**
None.
SCF15A3I

MSC - GROUP=msc_group_name  (ccuu,(sync_ra,async_ra) MBLIST BELOW
  type(serial#/srdfa_ragroup)

Cause
This message is issued during MSC initialization when a valid multi-box list is found for
the SRDF/A group on the storage system identified by serial#. type is either LCL or
RMT.

Action
None.

SCF15A4I

MSC - GROUP=msc_group_name  (ccuu,(sync_ra,async_ra) xxxxxxxx/xx >
                          xxxxxxxx/xx

Cause
This message is issued in conjunction with message SCF15A5I as a delimiter for the
dump of the MSC multi-box list.

Action
None.

SCF15A5I

MSC - GROUP=msc_group_name  (ccuu,(syncRa,asyncRa) local_ser#/ra >
                           remote_ser#/ra

Cause
This message is issued to dump the MSC multi-box list identified by message
SCF15A3I.

Action
None.

SCF15A6I

MSC - GROUP=msc_group_name PROMPT REQUESTED FOR AUTO RECOVERY

Cause
This message is issued before initiating Automated Recovery when the PROMPT
option is specified on the SRDFA_AUTO_RECOVER parameter.

Action
None, issued in conjunction with message SCF15A7R.
SCF15A7R

**AUTO RECOVERY - REPLY CONTinue OR CANcel**

**Cause**
This message is issued before initiating Automated Recovery when the PROMPT option is specified on the SRDFA_AUTO_RECOVER parameter.

**Action**
Reply CONTinue to initiate Automated Recovery or CANcel to bypass.

SCF15A8I

**MSC - GROUP=msc_group_name (ccuu, {sync_ra, async_ra}) AUTO RECOVERY BYPASSED**

**Cause**
This message is issued as a result of a "CANcel" response to the SCF15A7R message.

**Action**
Automated Recovery can be initiated at a later time via the SC RECOVER,MSC(group_name) command.

SCF15A9E

**INVALID REPLY**

**Cause**
An invalid reply was entered in response to the SCF15A7R message.

**Action**
Issue a correct response to the SCF15A7R message.

SCF15AAI

**MSC - GROUP=msc_group action complete**

**Cause**
Indicates processing for the indicated MSC action has completed, where action is DISABLE, DEACT, or PENDDROP.

**Action**
None.
**SCF15ABI**

MSC - GROUP=msc_group TAKEOVER processing initiated

**Cause**
Indicates the initiation of Takeover processing for the SRDF/Star or SRDF/SQAR MSC group.

**Action**
None.

**SCF15ACE**

MSC - GROUP=msc_group TAKEOVER processing failed

**Cause**
Takeover processing failed.

**Action**
Review the log for the errors associated with Takeover processing. Correct the errors and reissue the TAKEOVER command.

**SCF15B0E**

MSC - GROUP=msc_group_name AUTO RECOVERY TERMINATED DUE TO ERROR

**Cause**
Automated Recovery has failed due to an error from one or more of the recovery procedures. The MSC,RESTART command will not be issued.

**Action**
Check the output from the EMCRCVRY job to determine the cause of the error.

**SCF15B1W**

MSC - GROUP=msc_group_name RECOVER REJECTED, ALL SRDF/A GROUPS ARE ACTIVE

**Cause**
This message is issued in response to an SC RECOVER,MSC(group_name) command when all SRDF/A groups in the MSC process are active.

**Action**
None.
MSC - GROUP=msc_group_name COMMAND REJECTED, AUTO RECOVERY IS ACTIVE

Cause
The command is rejected because Automated Recovery is active.

Action
Wait for Automated Recovery to complete and re-issue the command.

MSC - GROUP=msc_group_name HOST CLEANUP BYPASSED DUE TO LINK FAILURE

Cause
MSC bypassed an internal cleanup function because a link failed.

Action
None.

MSC - GROUP=msc_group (ccuu) Microcode Patch nnnnn is not applied

Cause
The indicated operating environment patch is not applied.

Patch 38480 will alleviate potential MSC cycle switching errors in a Cascaded SRDF environment, which could occur when the synchronous MSC SRDF group is the same as the group configured between the R1 and R21 devices.

Action
Apply operating environment patch 38480 to every local (R1) storage system in a Cascaded SRDF MSC configuration. Alternatively, specify a dedicated synchronous MSC SRDF group, either via the MSC_INCLUDE_SESSION parameter or in the GNS definition for the cascaded MSC group.

MSC - GROUP=msc_group Auto Recovery bypassed, STAR|SQAR|STAR-A mode

Cause
SRDF Automated Recovery is not supported for SRDF/Star, SRDF/Star-A, and SRDF/SQAR environments.

Action
Recovery must be performed manually.
**SCF15B6E**

MSC - GROUP=msc_group (ccuu,{sync_ra,}async_ra) No corresponding SRDF/A R2 for device nnnn

**Cause**
One or more synchronous devices were discovered in an SRDF/Star environment without a corresponding asynchronous link.

**Action**
Review the SRDF/Star configuration to ensure this is an acceptable situation.

**SCF15B6I**

MSC - GROUP=msc_group (ccuu,{sync_ra,}async_ra) No corresponding SRDF/A R2 for device nnnn

**Cause**
One or more synchronous devices were discovered in an SRDF/Star environment without a corresponding asynchronous link.

**Action**
Review the SRDF/Star configuration to ensure this is an acceptable situation.

**SCF15B7I**

MSC - GROUP=msc_group (ccuu,{sync_ra,}async_ra) R2 Restore in-progress, will retry for 3 minutes

**Cause**
During host cleanup, the Commit failed because the R2 Restore operation was active. The Commit will be re-issued for a maximum of 3 minutes.

**Action**
None.

**SCF15B8E**

MSC - GROUP=msc_group (ccuu,{sync_ra,}async_ra) Recovery Group nn invalid

**Cause**
During SRDF/Star initialization, the site C to site B (concurrent) or site A to site C (cascaded) SRDF/Star recovery group nn was found to be invalid. For an SRDF/SQAR configuration, the recovery groups are configured between the site C and site D storage system.

**Action**
Update the SRDF Host Component initialization parameters to specify a valid SRDF/Star or SQAR recovery group.
MSC - GROUP=msc_group (ccuu, {sync_ra, async_ra}) ConGroup Trip detected, a PENDDROP will be initiated

**Cause**
A Consistency Groups trip has been detected for Cascaded SRDF/Star. MSC will internally perform a PENDDROP to save a consistent image at the remote site.

**Action**
Investigate the cause of the trip event and perform appropriate recovery procedures.

MSC - GROUP=msc_group (ccuu, {sync_ra, async_ra}) Retry issued in EHCSRBIO

**Cause**
During MSC cycle switching, an I/O was rejected due to an environmental unit check on an FBA device.

**Action**
None, the retry was successful.

MSC - GROUP=msc_group (ccuu, {sync_ra, async_ra}) Auto Recovery BCV Management bypassed due to user request

**Cause**
BCV management will be bypassed for this instance of Auto Recovery, as a result of the NOBCV option.

**Action**
None, but be aware that a new point-in-time backup of the R2 devices was not taken.

MSC - GROUP=msc_group (ccuu, {sync_ra, async_ra}) Host Cleanup bypassed due to UCB Swap

**Cause**
A UCB swap was detected by MSC host cleanup.

**Action**
Host cleanup for the MSC group will be bypassed.
**SCF15BDI**

MSC - GROUP=msc_group (ccuu,{sync_ra,async_ra}) nn CExempt devices

**Cause**
During a cycle switch, *nn* devices are in Consistency Exempt mode.

**Action**
None.

**SCF15BEI**

MSC - GROUP=msc_group (ccuu,{sync_ra,async_ra}) No longer in CExempt mode

**Cause**
No devices in this MSC group are in Consistency Exempt mode. This message is issued as the result of a previous detection of at least one device in Consistency Exempt mode (message SCF15BDI).

**Action**
None.

**SCF15BFE**

MSC - GROUP=msc_group (ccuu,{sync_ra,async_ra}) STAR Feature not licensed on symm_serial# RC/RSNC rc/rsnc

**Cause**
The SRDF/Star feature is not licensed on the storage system indicated by the serial number *symm_serial*.

**Action**
Validate the SRDF/Star configuration. Contact the Dell EMC Customer Support Center for technical assistance.

**SCF15C0E**

MSC - GROUP=msc_group (ccuu,{sync_ra,async_ra}) id/subroutine, RC=rc

**Cause**
This is a diagnostic message issued when an error occurs during MSC/Star or SQAR initialization.

**Action**
This message indicates the MSC module and subroutine where the initialization error was detected. A previous error message should indicate the nature of the problem. Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.
SCF15C1W

MSC - SCF.MSC.GTFUSR.RECID=xxxx invalid

Cause
The Record (Event) ID specified for MSC GTF USR tracing is invalid (x'000' - x'3FF' is allowed).

Action
Update the SCF.MSC.GTFUSR.RECID parameter in the SCF INI file with a valid Record ID (in hexadecimal, 0-3FF), issue an INI,REFRESH command, and restart MSC.

SCF15C2I

MSC - GTF USR Tracing enabled for Event Id xxxx

Cause
This message is issued when MSC GTF USR tracing is enabled (SCF.MSC.GTFUSR.TRACE=YES) to indicate the Record (Event) ID. In order for the USR trace records to be recorded, GTF must be active with the TRACE=USR option.

Action
None, informational message.

SCF15C3W

MSC - Fast cycle switching requires microcode level 5773, Cycle Target reset to 15

Cause
MSC fast cycle switching (MSC_CYCLE_TARGET < 15) requires a minimum operating environment level of 5773 on both sides of each asynchronous link in the MSC configuration.

Action
MSC continues, using a cycle target time of 15 seconds.

SCF15C4E

MSC - GROUP=msc_groupname (ccuu,{sync_ra,}async_ra) operation SEL failed for LOCKID lockid, RC rc

Cause
An SEL (Symmetrix External Lock) operation failed during MSC initialization or termination, where:
- operation is "R1/R2 FREE/OBT", indicating the storage system (R1 or R2) and the type of request (FREE or OBTain).
lockid is the lock holder ID of the currently lock or "17050000" if the lock is not held.

rc is the return code from the SEL service routine.

**Action**
Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

---

**SCF15C4W**

MSC - GROUP=msc_groupname (ccuu,{sync_ra,async_ra}) operation SEL failed for LOCKID lockid, RC rc

**Cause**
An SEL (Symmetrix External Lock) operation failed during MSC initialization or termination, where:

- The severity level is W (Warning) for a FREE failure with return code 8.
- operation is "R1/R2 FREE/OBT", indicating the storage system (R1 or R2) and the type of request (FREE or OBTain).
- lockid is the lock holder ID of the currently lock or "17050000" if the lock is not held.
- rc is the return code from the SEL service routine.

**Action**
None for a FREE request with return code 8, which indicates the lock was stolen by another instance of MSC on the same storage system. The lock steal interval is specified by the SCF.MSC.MAX.LOCK.WAIT parameter.

Contact the Dell EMC Customer Support Center for any other error. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

---

**SCF15C5I**

MSC - GROUP=msc_groupname (ccuu,{sync_ra,async_ra}) Gatekeeper function successful

**Cause**
This is an informational message issued on behalf of a successful ENQ or DEQ for each MSC gatekeeper. The major name is "EMCSERVR" with a minor name of "SERVER MSC GATEKEEPER ccuu".

**Action**
None.

---

**SCF15C6W**

MSC - GROUP=msc_groupname (ccuu,{sync-ra,async-ra}) Gatekeeper function failed

**Cause**
The ENQ or DEQ for an MSC gatekeeper failed.
Action
Review the SCF Log to determine the cause of the failure.

**SCF15C7W**

MSC - GROUP=msc_group (ccuu,{sync_ra,}async_ra) Gatekeeper ENQ in-use

**Cause**
An ENQ for the MSC Gatekeeper failed because the ENQ is already in-use. Another MSC in the complex is probably running with the same gatekeeper/group.

**Action**
Check for another active instance of MSC in the complex using the same MSC gatekeeper/group combination. Note that an MSC group can be controlled from only one MSC instance at a time.

**SCF15C8W**

MSC - GROUP=msc_group Possible loss of the Primary Server on syid detected

**Cause**
This message is issued by a secondary server in a High Availability MSC/Star or SQAR environment to signal the possible loss of the primary server. syid is the system ID of the primary server. If this value is not available, "...." will be displayed.

**Action**
After a primary server failure, full SRDF/Star or SQAR protection can be reinstated by initiating a Takeover on the secondary server. ConGroup must be transferred first (F congroup TAKEOVER), followed by an MSC Takeover (F scftask, MSC TAKEOVER{,MSCGroup(mscgroup)}).

**SCF15C9I**

MSC - GROUP=msc_group (ccuu,{sync_ra,}async_ra) TAKEOVER processing initiated

**Cause**
Issued as a result of the MSC,TAKEOVER command to indicate the initiation of takeover processing for the MSC SRDF group.

**Action**
Wait for message SCF15CAI, which indicates successful completion of takeover processing.

**SCF15CAI**

MSC - GROUP=msc_group TAKEOVER processing completed
**Cause**
Indicates the successful completion of Takeover processing for all RDF groups in the MSC group.

**Action**
None, the secondary server has assumed control of the SDDF sessions for the SRDF/Star environment.

---

**SCF15CBE**

MSC - GROUP=msc_group (ccuu,{sync_ra,}async_ra) TAKEOVER processing failed

**Cause**
Takeover processing for the SRDF group failed.

**Action**
Review the log for the errors associated with takeover processing. Correct the errors and reissue the TAKEOVER command.

---

**SCF15CCI**

MSC - GROUP=msc_group (ccuu,{sync_ra,}async_ra) function processing initiated

**Cause**
Dynamic device function processing has been initiated for the indicated MSC SRDF group in the SRDF/Star configuration, where function can be ADD or DELETE.

**Action**
Wait for message SCF15CDI, indicating successful completion of function processing.

---

**SCF15CDI**

MSC - GROUP=msc_group (ccuu,{sync_ra,}async_ra) function processing completed

**Cause**
Dynamic function processing has completed for the indicated MSC SRDF group, where function can be ADD or DELETE.

**Action**
None.

---

**SCF15CEE**

MSC - GROUP=msc_group (ccuu,{sync_ra,}async_ra) function processing failed
Cause
Dynamic device function processing failed for the indicated MSC SRDF group, where function can be ADD or DELETE. This message will be preceded with a descriptive error message.

Action
Correct the problem and issue an MSC ADDDEV command to reinitiate Dynamic Add processing or an MSC DELDEV command to reinitiate Dynamic Delete processing.

SCF15CFI

MSC - GROUP=msc_group (ccuu,{async_ra}) function device (r1dv# / sync_r2dv# / async_r2dv#)

Cause
Displays the set of SRDF/Star devices being added to or removed from the configuration.

For a concurrent SRDF/Star environment, r1dv# is the R11 at Site A, sync_r2dv# is the synchronous R2 at Site B and async_r2dv# is the asynchronous R2 at Site C.

For a cascaded SRDF/Star environment, r1dv# is the synchronous R1 at Site A, sync_r2dv# is the R21 device at Site B and async_r2dv# is the asynchronous R2 at Site C.

Action
None.

SCF15D0E

MSC - GROUP=msc_group (ccuu,{sync_ra,}async_ra) Sync R2 device not configured for R1 dv#

Cause
This message is issued for a concurrent SRDF/Star environment, when a new asynchronous R1 is not an R11. For a device to be incorporated into SRDF/Star, it must have a complete device relationship. Device Add processing will be terminated without the addition of any new devices.

Action
Once all of the synchronous R2 devices are configured and synchronized, an MSC ADDDEV command can be issued to reinitiate Device Add processing.

SCF15D1E

MSC - GROUP=msc_group (ccuu,{sync_ra,}async_ra) Sync R1 device not configured for R2 dv#

Cause
This message is issued for a cascaded SRDF/Star environment, when a new asynchronous (Site B) device is not an R21. For a device to be incorporated into SRDF/Star, it must have a complete device relationship. Device Add processing will be terminated without the addition of any new devices.
Action
Once all of the new asynchronous devices are configured as R21s and synchronized, an MSC ADDDEV command can be issued to reinitiate Device Add processing.

SCF15D2I

MSC - GROUP=msc_group (ccuu,{sync_ra},async_ra) The STAR configuration has not changed

Cause
No new devices were discovered when searching for a SRDF/Star configuration change. Device processing for this MSC SRDF group will be terminated. This could occur as the result of an MSC ADDDEV or DELDEV command for a configuration with multiple MSC SRDF groups where not all of the MSC SRDF groups had new or deleted devices.

Action
None.

SCF15D3W

MSC - GROUP=msc_group Dynamic Device function not supported for Secondary Servers

Cause
The dynamic device function is supported only for primary servers (Weight Factor 0), where function can be ADDDEV or DELDEV. In a High Availability environment, the SDDF sessions are managed only by the Weight Factor 0 server.

Action
None.

SCF15D4W

MSC - GROUP=msc_group (ccuu,{sync_ra},async_ra) Dynamic Device function in-progress, new function deferred

Cause
A dynamic device command was issued while another SRDF/Star dynamic device change was in-progress. The new function will be deferred until the previous function completes, where function can be ADDDEV or DELDEV.

Action
None.

SCF15D5E

MSC - GROUP=msc_group Session (ccuu,{sync_ra},async_ra) not found
Cause
As the result of a dynamic device command for a specific MSC session, the session was not found.

Action
Check the SRDF Host Component parameters for the correct gatekeeper CCUU and SRDF groups.

SCF15D6E

MSC - GROUP=msc_group (ccuu,{sync_ra,}async_ra) R1/R2 r1dv#/r2dv# is not ready

Cause
The device pair is in an SRDF Not Ready state. Device add processing will be terminated without the addition of any new devices.

Action
To be included in the SRDF/Star configuration, all device pairs must be SRDF Ready.

SCF15D7I

MSC - GROUP=msc_group (ccuu,{sync_ra,}async_ra) R1/R2 r1dv#/r2dv# is not synchronized

Cause
The device pair is not synchronized (invalid tracks are owed from the R1 to the R2). MSC will poll once per cycle for approximately 15 minutes until all of the new devices are synchronized. If a timeout occurs, message SCF15D9E will be issued and Device Add processing will be terminated without the addition of any new devices.

Action
None.

SCF15D8I

MSC - GROUP=msc_group (ccuu,{sync_ra,}async_ra) Device r1dv# in CExempt mode

Cause
This message is issued for each R1 device in Consistency Exempt mode during Device Add processing. MSC will poll once per cycle for approximately 15 minutes until none of the new devices are in Consistency Exempt mode. If a timeout occurs, message SCF15D9E will be issued and Device Add processing will be terminated without the addition of any new devices.

Action
None.
SCF15D9E

MSC - GROUP=msc_group (ccuu,{sync_ra},{async_ra}) ADD processing timeout due to reason devices

Cause
A timeout occurred during Add processing for the indicated reason; either for unsynchronized or Consistency Exempt devices.

Action
Previous messages SCF15D7I or SCF15D8I indicate the devices that need to be investigated.

SCF15DAE

MSC - GROUP=msc_group (ccuu,{sync_ra},{async_ra}) mirr_type RDF mirror not found for R1 dv#

Cause
During the validation of the SRDF attributes, either the "Sync" or "Async" SRDF mirror was not found.

Action
This is an internal error condition, requiring action by Dell EMC Customer Services. Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

SCF15DBW

MSC - GROUP=msc_group (ccuu,{sync_ra},{async_ra}) Dynamic Device function requires 5773 microcode

Cause
The SRDF/Star dynamic device function requires Enginuity 5773 or a later level of the operating environment on the asynchronous R1 and R2 storage systems (prior levels do not export the Consistency Exempt state to the R2 storage system).

Action
Contact Dell EMC Customer Support for technical assistance in determining the required operating environment level and install the operating environment.

SCF15DCE

MSC - GROUP=msc_group TAKEOVER requires ConGroup owner on syid

Cause
The ConGroup associated with this MSC/Star group is not the owner (the owner is active on System ID syid).
Action
Ownership must be transferred to the ConGroup task on the LPAR that is to be the primary server prior to a start of a primary Star or initiating an MSC Takeover. The ConGroup command to transfer ownership is `congroup,TAKEOVER`.

SCF15DDE

MSC - GROUP=msc_group Dynamic Device Add rejected, Star Recovery is not available

Cause
A Dynamic Device Add operation is not allowed when SRDF/Star recovery is not available.

Action
Re-issue the command after SRDF/Star recovery becomes available.

SCF15E0E

MSC - GROUP=msc_group (ccuu,{sync_ra,}async_ra) R1 Serial Number is null, initialization terminated

Cause
During MSC initialization, the serial number of the R1 storage system was not obtained. An SDUMP will be scheduled.

Action
Disable the MSC group and restart by issuing an SC GLOBAL PARM_REFRESH command. If the problem persists, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available, including the dump.

SCF15E1W

MSC - GROUP= msc_group (ccuu,{sync_ra,}async_ra) the SRDF/A Group is empty

Cause
MSC has detected an empty SRDF/A group. This group will be dormant; cycle switching will continue for the other configured asynchronous groups.

Action
None.

SCF15E2E

MSC - GROUP= msc_group All SRDF/A Groups are empty, DEACT initiated

Cause
MSC has detected that all of the SRDF/A groups in the MSC configuration are empty.
Action
MSC will be terminated with a DEACT, which will leave the environment intact as well as the SDDF sessions for an SRDF/Star configuration. Before restarting MSC, all of the SRDF/A groups must be active (which requires at least one device). If the intent is to leave a group empty, you must remove the definition from the SRDF Host Component parameter file.

SCF15E3E

MSC - GROUP=msc_group (ccuu,{sync_ra,}async_ra) Storage obtain failed for function

Cause
An internal storage request failed for the indicated function.

Action
Disable the MSC group and restart by issuing an #SC GLOBAL PARM_REFRESH command. If the problem persists, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

SCF15E4E

MSC - GROUP=msc_group (ccuu,{sync_ra,}async_ra) Backout failed for Dynamic Device function

Cause
Backout processing failed for a Dynamic Device Add or Delete operation.

Action
Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

SCF15E5E

MSC - GROUP =msc_group (ccuu,{sync_ra,}async_ra) SRDF/A is not active, Dynamic Device Add is not allowed

Cause
SRDF/A was not active during a Device Add for a previously empty MSC session.

Action
Activate SRDF/A and re-issue the ADDDEV command.

SCF15E6E

MSC - GROUP =msc_group (ccuu,{sync_ra,}async_ra) [Star|SQAR] configuration error detected
Cause
An SRDF/Star or SQAR configuration error was detected during initialization. This could occur if devices are added to or removed from a Star or SQAR MSC group while the group is in a DEACT state.

Action
Disable the MSC group and restart. If the problem persists, run the M6 Cleanup Utility and restart.

SCF15E7I

MSC - GROUP=msc_group (ccuu,{sync_ra,}async_ra) the SRDF/A Group is no longer empty

Cause
At least one device was dynamically added to a previously empty SRDF/A group.

Action
None.

SCF15E8W

MSC - GROUP =msc_group (ccuu,{sync_ra,}async_ra) STAR configuration mismatch, found (r1dv#,sync_r2dv#,async_r2dv#)

Cause
SRDF/Star Takeover processing discovered a configuration mismatch. This could be the result of a dynamic delete on the primary server, followed by an add of the devices back into the asynchronous SRDF group without issuing an ADDDEV command.

For a concurrent SRDF/Star environment, r1dv# is the R11 at site A, sync_r2dv# is the synchronous R2 at site B, and async_r2dv# is the asynchronous R2 at site C. For a cascaded SRDF/Star environment, r1dv# is the synchronous R1 at site A, sync_r2dv# is the asynchronous R2 at site C.

Action
To include these devices under SRDF/Star management, issue an ADDDEV command to the new primary server.

SCF15E9E

MSC - GROUP=msc_group (ccuu,{sync_ra,}async_ra) type error during function

Cause
An error indicated by type occurred during an SRDF/Star Dynamic Device function.

Action
Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
SCF15EAI

MSC - GROUP=msc_group (ccuu,{sync_ra},async_ra) Backout initiated for function

Cause
Backout processing has been initiated for an SRDF/Star Dynamic Device function.

Action
None.

SCF15EBI

MSC - GROUP=msc_group (ccuu,{sync_ra},async_ra) Backout complete for function

Cause
Backout processing is complete for an SRDF/Star Dynamic Device function.

Action
None.

SCF15ECI

MSC - GROUP=msc_group (ccuu,{sync_ra},async_ra) Retry initiated for function

Cause
Due to an SDDF error, a retry has been initiated on behalf of an SRDF/Star Dynamic Device function.

Action
None.

SCF15EDR

MSC - GROUP=msc_group (ccuu,{sync_ra},async_ra) R2 Restore Retry limit exceeded, reply RETRY or CANcel

Cause
The Host Cleanup Retry limit has been exceeded due to an active R2 Restore.

Action
Reply RETRY to re-initiate Host Cleanup processing. If this situation persists, investigate the reason for the R2 Restore delay. A reply of CANcel terminates Host Cleanup.
More Information
Note that the condition that caused the R2 Restore delay needs to be resolved. The EHCMSCME Cleanup Utility (and EHCMSCM6 for SRDF/Star or SRDF/SQAR) may need to be run before re-activating SRDF/A.

**SCF15F0E**

MSC - GROUP=msc_group not found

**Cause**
The specified MSC group name was not found.

**Action**
Correct the MSCGroup parameter and re-issue the command. An MSC DISPLAY command lists the defined MSC groups.

**SCF15F1E**

MSC command rejected, nn MSC Groups are defined

**Cause**
The MSC command was rejected because it was issued without a specific MSC group name in a multi-MSC environment.

**Action**
Resubmit the command, specifying a specific MSC group name via the MSCGroup parameter. To display the MSC configuration, issue an MSC DISPLAY command.

**SCF15F2E**

MSC - GROUP=msc_group RESTART rejected, a Restart is in-progress

**Cause**
A RESTART command was issued while a Restart was in progress for another MSC group.

**Action**
Wait until the first Restart completes and re-issue the command.

**SCF15F3W**

MSC - GROUP = msc_group (ccuu,{sync_ra,}async_ra) is not [STAR|SQAR], function command ignored

**Cause**
The dynamic device function pertains to SRDF/Star and SQAR environments only.

**Action**
None required. The command will be ignored for MSC (non-Star and non-SQAR) configurations.
**SCF15F4I**

MSC - Processing for command command complete

**Cause**
This message is issued from the MSC environment manager to indicate the completion of processing for the specified command.

**Action**
None.

**SCF15F5E**

MSC - GROUP=msc_group RESTART rejected, reason

**Cause**
An MSC RESTART command failed due to the indicated reason.

**Action**
For a validation error, refer to the SRDF Host Component log for a message describing the error. After the parameter is updated, redefine the MSC group via an SC GLOBAL PARM_REFRESH command.

**SCF15F6E**

MSC - GROUP = msc_group command rejected, incorrect status

**Cause**
A DEACT command requires a status of Active or PendDrop.

**Action**
Verify that the command was issued for the desired MSC group. An MSC DISPLAY command will display the status of the defined MSC groups.

**SCF15F7W**

MSC - GROUP = msc_group TAKEOVER not supported on a Primary Server

**Cause**
A TAKEOVER command was issued on a primary server.

**Action**
TAKEOVER should be issued only to one secondary server after the failure of the primary server.
SCF15F8W

MSC - GROUP = msc_group (ccuu,{sync_ra,}async_ra) function rejected, Group is not active

**Cause**
An SRDF/Star dynamic device function cannot be processed for an inactive MSC group.

**Action**
None.

SCF15F9E

MSC - GROUP = msc_group TAKEOVER is active, cmd deferred
or
MSC - GROUP = msc_group TAKEOVER is active, TAKEOVER not allowed

**Cause**
The command *cmd* is deferred while Takeover is active. If TAKEOVER not allowed displays, the command is rejected.

**Action**
None. The command is processed after the Takeover process completes, or it is rejected if the Takeover process is not allowed.

SCF15F9W

MSC - GROUP = msc_group TAKEOVER is active, cmd deferred
or
MSC - GROUP = msc_group TAKEOVER is active, TAKEOVER not allowed

**Cause**
The command *cmd* is deferred while Takeover is active. If TAKEOVER not allowed displays, the command is rejected.

**Action**
None. The command is processed after the Takeover process completes, or it is rejected if the Takeover process is not allowed.

SCF15FCE

MSC - Processing for cmd command failed
**Cause**
The MSC command indicated by `cmd` failed.

**Action**
Refer to the preceding MSC error message in the SCF joblog.

**SCF15FDE**

MSC - GROUP=msc-group SDDF RESET processing failed with RS=reason-code

**Cause**
SDDF RESET processing failed for the reason denoted by the `reason-code`.

**Action**
Contact Dell EMC Customer Support, quoting the message ID and the `reason-code`.

**SCF15FEE**

MSC - GROUP=msc-group SRDF/A is still active, ADCOPY-DISK bypassed

**Cause**
A timeout occurred when waiting for SRDF/A to deactivate on the named MSC group before issuing the ADCOPY-DISK action.

**Action**
Issue the command manually using the appropriate #SC VOL command syntax.

**SCF1600I**

```
msc_group  status  mode  WF=n  [cggroup]
```

**Cause**
Displays information for each defined MSC group.

**status**

- **ACTIVE (M|L)**
  
  Active group and its mode: M for Multi-Cycle Mode (MCM) and L for Legacy.

- **INACTIVE**
  
  Inactive group.

- **DEACT**
  
  Deactivated group.

- **PENDDROP**
  
  Group terminated via a PENDDROP command.

- ***INVALID**
  
  Group with a validation error.

**mode**
Can be MSC, STAR, STAR-A, or SRDF/Star with AutoSwap. Cascaded configurations are indicated by (CAS). SQAR MSC groups are indicated by "SQAR".

\( \text{WF=}n \)
Indicates the weight factor used, where valid values are 0 to 3.

\( \text{cggroup} \)
For SRDF/Star configurations only, \( \text{cggroup} \) indicates the name of the consistency group.

\textbf{Action}
None unless the status is INVALID. If INVALID, issue an SC GLOBAL PARM _REFRESH command to redefine the group after the error is corrected.

\textbf{SCF1601I}

\( (\text{ccuu}, [\text{ragroup#}], \text{srdfa_ragroup#}) [, (\text{recgroup#}) / \text{syncgroup#}] \)

\textbf{Cause}
Displays information for each session. The session information is comprised of the gatekeeper CCUU and the SRDF groups.

When one SRDF group is displayed after the gatekeeper, it represents the SRDF/A (Asynchronous) SRDF group.

When two groups are displayed, it represents a cascaded configuration (the first SRDF group is the synchronous group and the second is the SRDF/A group).

For SRDF/Star environments, the individual SRDF group displayed is the recovery group and for concurrent SRDF/Star, the SRDF group displayed after the "/" is the synchronous group (from A to B). The serial numbers in the displays represent the A, B and C systems respectively.

The following examples illustrate MSC group and session information messages:

\textbf{Multiple MSC groups:}

SCF1600I MSC_PRD ACTIVE MSC WF=0
SCF1601I (C200,C0) 0001903-00346 0001903-00353
SCF1601I (C201,C1) 0001903-00346 0001903-00353

\textbf{Multiple cascaded MSC groups:}

SCF1600I MSC_PRDC ACTIVE MSC(CAS) WF=0
SCF1601I (9D11,B0,C0) 0001903-00344 0001903-00346 0001903-00353
SCF1601I (9D11,B1,C1) 0001903-00344 0001903-00346 0001903-00353

\textbf{Multiple Star groups (SRDF/Star with AutoSwap):}

SCF1600I STAR_PRD ACTIVE STARFIRE WF=0 CGPROD
SCF1601I (5148,22),(BD)/B0 0000000-00143 0000000-00261
0000000-00262
SCF1601I (514C,23),(BD)/B1 0000000-00143 0000000-00261
0000000-00262
Multiple cascaded Star groups:

<table>
<thead>
<tr>
<th>SCF1600I</th>
<th>STAR_PRDC ACTIVE STAR(CAS) WF=0 CGPRODC</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCF1601I</td>
<td>(5101,B0,D0),(BA) 0000000-00143 0000000-00261 0000000-00262</td>
</tr>
<tr>
<td>SCF1601I</td>
<td>(5102,B1,D1),(BA) 0000000-00143 0000000-00261 0000000-00262</td>
</tr>
</tbody>
</table>

**Action**
None.

**SCF1602I**

MSC Display complete

**Cause**
Indicates the completion of an MSC DISPLAY command.

**Action**
None.

**SCF1603I**

MSC - GROUP=msc_group (ccuu,{sync_ra,}async_ra) SDDF Close for config id, nn% complete

**Cause**
SDDF Close processing did not complete within 15 minutes after an MSC DISABLE or REFRESH command. Once this initial interval occurs, subsequent checks will be done on a 3 minute interval.

- **config** is Star or SQAR.
- **id** identifies the SDDF session (B1, B2 or C1 for Concurrent Star; A1, A2 or C1 for Cascaded Star; C1, C2, D1 or D2 for SQAR).
- **nn** is the SDDF Close completion percentage.

**Action**
Contact Dell EMC Customer Service for assistance in determining the reason for the delay in SDDF Close processing.

**SCF1604R**

MSC - GROUP=msc_group SDDF Close not progressing, reply CONTinue, BYPass or TERminate

**Cause**
Two consecutive poll intervals have transpired without any change in the number of devices closed.

**Action**
Reply one of the following:
- CONTinue to continue polling
- BYPass to bypass polling for the current SDDF session task (the task will terminate and polling will continue with the next SDDF session task)
- TERMinate to terminate all active SDDF session tasks

**SCF1610I**

MSC - GROUP=msc_group_name Dynamic Session processing initiated

**Cause**
This message is issued for a Dynamic Session ADD/DELETE and indicates that the ADD/DELETE process has begun.

**Action**
This is an informational message only. No user action is required.

**SCF1611I**

MSC - GROUP=msc_group_name Dynamic Session processing complete

**Cause**
This message is issued for a Dynamic Session ADD/DELETE and indicates that the ADD/DELETE process is complete.

**Action**
This is an informational message only. No user action is required.

**SCF1612E**

MSC - GROUP=msc_group_name Maximum MSC Sessions

**Cause**
This message is issued for a Dynamic Session ADD and indicates that the maximum amount of sessions has been reached. The add group cannot be completed.

**Action**
Decrease the number of groups to add.

**SCF1613E**

MSC - GROUP=msc_group_name Cannot remove last MSC Session

**Cause**
This message is issued for a Dynamic Session DELETE and indicates that only one session exists. The delete session cannot be completed.

**Action**
If you wish to discard the MSC group definition, use the MSC REFRESH command.
SCF1614I

MSC - GROUP=msc_group_name (ccuu,{sync_ra},async_ra) Adding Session

**Cause**
This message is issued for a Dynamic Session ADD and indicates the session being added.

**Action**
None.

SCF1615I

MSC - GROUP=msc_group_name (ccuu,ra) Session Add successful

**Cause**
This message is issued for a Dynamic Session ADD and indicates the add session was successful.

**Action**
This is an informational message only. No user action is required.

SCF1616E

MSC - GROUP=msc_group_name (ccuu,ra) Session Add failed

**Cause**
This message is issued for a Dynamic Session ADD and indicates the add session was not successful.

**Action**
Review the SCF joblog for related error messages to determine the error.

SCF1617I

MSC - GROUP=msc_group_name (ccuu,ra) Deleting session

**Cause**
This message is issued for a Dynamic Session DELETE and indicates the session being deleted.

**Action**
This is an informational message only. No user action is required.
**SCF1618I**

MSC - GROUP=msc_group_name (ccuu,ra) Session Delete successful

**Cause**
This message is issued for a Dynamic Session DELETE and indicates the delete session was successful.

**Action**
This is an informational message only. No user action is required.

**SCF1619E**

MSC - GROUP=msc_group_name (ccuu,ra) Session Delete failed

**Cause**
This message is issued for a Dynamic Session DELETE and indicates the add session was not successful.

**Action**
Review the SCF joblog for related error messages to determine the error.

**SCF1620I**

MSC - GROUP=msc_group_name (ccuu,ra) Session Backout initiated

**Cause**
This message is issued for a Dynamic Session ADD/DELETE and indicates the session will be backed out due to a previous error.

**Action**
This is an informational message only. No user action is required.

**SCF1621I**

MSC - GROUP=msc_group_name (ccuu,ra) Session Backout complete

**Cause**
This message is issued for a Dynamic Session ADD/DELETE and indicates the session was backed out due to a previous error.

**Action**
This is an informational message only. No user action is required.
SCF1622E

MSC - GROUP=msc_group_name (ccuu,ra) Session Backout failed

**Cause**
This message is issued for a Dynamic Session ADD/DELETE and indicates the backout was not successful.

**Action**
Review the SCF joblog for related error messages to determine the error.

SCF1623E

MSC - GROUP=msc_group (ccuu,ra) reason

**Cause**
A Dynamic MSC Session Add or Delete failed due to the indicated reason:

- SCANUCB failed
- Read Scratch failed
- REQSRDFA call failed
- Remote ConfigGlobal call failed
- Already active in MSC mode: this indicates the MSC session is either active in another MSC group, or the MSC mode indicator is set due to a previous error situation.
- Rejected, Primary not done: this is issued from a secondary server in an MSC High Availability environment if the session was not added to the primary server.
- Rejected, incompatible with Fast cycle switching: this indicates the new group is at Enginuity 5772 or a later level of the operating environment and the current MSC group is running with a target cycle time less than 15 seconds.

**Action**
For any of the “failed” messages, collect the JES Message Log and the SCF Trace dataset corresponding to the time of the error and contact the Dell EMC Customer Support Center for technical assistance.

For **Already active in MSC mode**, investigate any other active MSC groups for this session. If none are found, check the SCF Logs for a prior MSC failure. Contact the Dell EMC Customer Support Center for technical assistance.

For **Rejected, Primary not done**, ADD the MSC session to the primary MSC server then re-issue the ADD to the secondary.

For **Rejected, incompatible with Fast cycle switching**, the active MSC group must be disabled, followed by an #SC GLOBAL PARM_REFRESH and a start of the MSC group.
SCF1624I

MSC - GROUP=msc_group (ccuu,ra) Incomplete Dynamic Session function

Cause
A queued Dynamic Session Add or Delete could not be completed due to an interruption of MSC. This could have been due to a Disable, Restart, or PendDrop of the MSC group, or a Drop of any of the associated asynchronous SRDF groups.

Action
If MSC is restarted without any change to the session parameters in the SRDF Host Component parameter file for this MSC group, a GLOBAL PARM_REFRESH {ADD | DELETE} will redrive the action.

SCF1630I

MSC - GROUP=group_name SQAR|STAR-A Recovery is now available

Cause
Both MSC SQAR or Star-A groups have reached consistency across the entire configuration and the SDDF sessions are ready to track changes at sites C and D.

Action
None.

SCF1631I

SQAR|STAR-A Recovery is no longer available

Cause
The SQAR/Star-A group had previously reached consistency across the entire configuration and the SQAR SDDF sessions were ready to track changes at the R2 site. Consistency has been lost or the SQAR SDDF sessions are no longer tracking changes.

Action
Check the SCF joblog for any error messages. Contact Dell EMC Technical Support for assistance.

SCF1632I

MSC - GROUP=group_name SQAR|STAR-A processing action with group

Cause
SQAR or Star-A processing is enabled or disabled with the partner SQAR or Star-A group.

Action
None.
**SCF1633E**

MSC - GROUP=group_name SQAR|STAR-A configuration error, reason

**Cause**
SRDF/SQAR or Star-A could not start due to a SQAR/Star-A configuration error.

**Action**
If the partner group is not defined, add the definition for the partner SQAR or Star-A group to the SRDF Host Component initialization file and issue a GLOBAL,PARM_REFRESH. If the partner group is invalid, correct the validation error (refer to the SRDF Host Component joblog) and issue a GLOBAL,PARM_REFRESH.

**SCF1634E**

MSC - GROUP=group_name (ccuu,ra) SQAR|STAR-A configuration error, reason

**Cause**
SRDF/SQAR or Star-A initialization failed due to a configuration error, indicated by reason.

**Action**
Correct the error and restart. Depending upon the error, it may be necessary to issue a GLOBAL PARM_REFRESH to redefine the SQAR/Star-A MSC group.

**SCF1635E**

MSC - GROUP=group_name (ccuu,ra) R2 dev#, incomplete SQAR|STAR-A relationship

**Cause**
The R2 device does not have a valid SQAR/Star-A relationship. The displayed device is either an R21 at DC3 (A) or an R22 at DC4 (B).

**Action**
Validate the device relationships via SRDF Host Component SQ VOL commands. Also ensure the correct Recovery Group is specified on the MSC_INCLUDE_SESSION statement.

For example, for SQAR, each R2 must be related to the other R2 device, which must form a “square” when viewing the relationship of each set of devices: DC1 (R11), DC2 (R21), DC3 (R21), and DC4 (R22).

**SCF1636W**

MSC - GROUP = msc_group Storage Lock action for resource
**SCF1637W**

MSC - GROUP=msc_group  @RETRY Stack overflow

**Cause**
The internal retry stack for MSC has been exceeded.

**Action**
Contact the Dell EMC Customer Support Center for technical assistance.

**SCF1638W**

MSC - GROUP=msc_group debug1 debug2 debug3 debug3

**Cause**
Provides diagnostic information for a previous error condition.

**Action**
Review the SCF job log for related error messages. Contact the Dell EMC Customer Support Center for technical assistance.

**SCF1639W**

MSC - GROUP=msc_group ConGroup Trip detected

**Cause**
MSC has detected a consistency group trip.

**Action**
Review the SCF, ConGroup, and system logs to determine the reason for the trip. The recovery action will be based upon the specific cause. Contact the Dell EMC Customer Support Center for technical assistance.

**SCF1640I**

MSC - GROUP=msc_group (ccuu,ra) Transitioning to Legacy mode

**Cause**
Indicates that the MSC session will transition from MCM to Legacy mode.
**SCF1641I | SCF1641E**

MSC - GROUP=msc_group (ccuu,ra) Transition to Legacy mode complete | failed

**Cause**
Indicates the success (complete) or failure (failed) of the transition from MCM to Legacy mode.

**Action**
For a failure, check the job log for additional messages. Contact Dell EMC Technical Support for further assistance.

**SCF1650W**

MSC GROUP=msc_group TAKEOVER SDDF error

**Cause**
An SDDF error occurred during Takeover processing.

**Action**
Message SCF1532E should have been issued for each device with an SDDF error. The likely cause is a failed drive or Disk Director.

**SCF1651I**

MSC - GROUP=msc_group PAV Optimizer support enabled, Wait time = nnn

**Cause**
This message indicates that zBoost PAV Optimizer support has been enabled for MSC group msc_group.

nnn shows the time to wait after messaging all storage systems for a PAVO Suspend, which is set to 100 (1 second) by default.

**Action**
None.

**SCF1652I**

MSC - GROUP=msc_group (ccuu) Initiating PAV Optimizer Suspend

**Cause**
Suspend of zBoost PAV Optimizer write optimization has been initiated for MSC group msc_group.

This message is issued for the first cycle switch and after a dynamic session ADD/DELETE.
**SCF1653I**

Action
None.

MSC - GROUP=msc_group (ccuu) Initiating PAV Optimizer Resume

Cause
Resume of zBoost PAV Optimizer write optimization has been initiated for MSC group msc_group.
This message is issued for the first cycle switch and after a dynamic session ADD/DELETE.

Action
None.

**SCF1654W**

MSC - GROUP = msc_group (ccuu,ra) Commit for Transmit cycle nnnn failed, RC nn (reason)

Cause
When running multi-cycle mode in a High Availability configuration, a commit could fail if another server recently issued a commit. The reason for RC 46 is "Tag mismatch" or for RC 5F "Already committed".

Action
Check the weight factor of the MSC servers. This message is more likely to occur when more than one server is running as WF0.

**SCF1655E**

MSC - GROUP=msc_group (ccuu,ra) logrec_rsn [,MSC_reason] [,syscall_id]

Cause
Message SCF1655E complements the SCF136EE message to provide reason code details.
The same reason code recorded in the Logrec record is displayed. For an MSC type error, the reason detailing the MSC error is displayed. If a syscall error occurred, the syscall id, subcommand and subformat is displayed.

Action
Contact Dell EMC Technical Support for assistance. Ensure all relevant documentation is available.
SCF1656W

MSC - GROUP=msc_group (ccuu,ra) SDDF operation Link error for path ra.ra

Cause
A link error has been detected for a SQAR SDDF operation.

operation is B1 | B2 Reset, Activate or Deact.

ra.ra is the path (hop list) to the opposite R2 system, A->C->D for the SQAR-A MSC group or B->D->C for the SQAR-B MSC group.

Action
SQAR will switch to the alternate path for the opposite R2 system.

For the SQAR-A MSC group, the "D" system will be reached via A->B->D.

For the SQAR-B MSC group, the "C" system will be reached via B->A->C.

Investigate the reason for the link failure. The state of the original path will be checked approximately every five minutes. If the original link becomes operational, it will be restored automatically.

SCF1657I

MSC - GROUP=msc_group (ccuu,ra) Restored SDDF path ra.ra

Cause
After a SQAR SDDF link error, the original path to the opposite R2 system has been restored.

Action
None.

SCF1660I

MSC - GROUP= msg_group THAW processing initiated

Cause
THAW processing has been initiated.

Note
THAW is intended for GDDR only.

Action
None.
**SCF1661I**

MSC – GROUP= msg_group THAW processing completed

**Cause**
THAW processing has completed.

**Note**
THAW is intended for GDDR only.

**Action**
None.

**SCF1662E**

MSC – GROUP= msg_group THAW processing failed

**Cause**
THAW processing failed for the MSC group.

**Note**
THAW is intended for GDDR only.

**Action**
Contact Dell EMC Technical Support for assistance.

**SCF1663EI**

MSC – GROUP= msg_group (ccuu,ra) THAW processing failed, reason

**Cause**
THAW processing failed for the MSC session for the indicated reason.

**Note**
THAW is intended for GDDR only.

**Action**
Contact Dell EMC Technical Support for assistance.

**SCF1700I**

WPA Monitor version date is active
SCF1701I

WPA Monitor has ended

Cause
Write Pacing Monitor has completed shutdown and is no longer active

Action
None.

More Information
Message level: BASIC

SCF1702I

WPA Monitor poll interval set to nnn minutes

Cause
Write Pacing Monitor is indicating the polling interval it is using to gather pacing statistics. The message is issued during initial startup, initialization parameter refresh, or by a command to set the poll interval.

Action
None.

More Information
Message level: BASIC

SCF1703E

SMF record must be a decimal number between 128 - 255 found nnn SMF disabled

Cause
An invalid SMF record number nnn was specified for use on the SCF.WPA.SMF.RECORD initialization parameter.

Action
SMF recording of pacing statistics is suspended. If it is desired to have SMF recording of pacing statistics active, then the SCF.WPA.SMF.RECORD initialization parameter must be corrected using a valid SMF record number and the initialization parameters must be refreshed using the SSCF INI,REFRESH command.
More Information
Message level: BASIC

SCF1704I

WPA Monitor SMF recording enabled. Using record id nnn.

Cause
SMF recording by the Write Pacing Monitor is active for pacing statistics, and will be performed using the SMF record number ID nnn.

Action
None.

More Information
Message level: BASIC

SCF1705I

WPA Monitor SMF filtering set to value.

Cause
SMF recording filter is set to value, where value is ZERO or NOZERO. When it is set to ZERO all group and device stat records will be recorded even if they are all zeroes. When set to NOZERO, then only stat records that have non-zero statistics will be recorded. When it is set to NULL, the meaning is that no SMF filtering will be performed.

Action
None.

More Information
Message level: BASIC

SCF1706I

WPA Monitor reporting aaa stat types

Cause
Write Pacing Monitor is active and will report pacing statistics for the aaa statistic types as specified by the SCF.WPA.STYPES initialization parameter. aaa can be:

- group - group level statistics will be reported.
- device - device level statistics will be reported.
- all - both group and device level statistics will be reported.

Action
None.

More Information
Message level: BASIC
SCF1707W

Invalid stat type specified, defaulting to ALL

**Cause**
An invalid type was specified on the SCF.WPA.STYPES initialization parameter and the monitor is defaulting to reporting on all types.

**Action**
If it is not desired to report on all pacing types, correct the SCF.WPA.STYPES initialization parameter and perform an SSCF INI,REFRESH.

**More Information**
Message level: BASIC

SCF170BE

Unable to obtain storage for component. RTN=nnnn, RSN=nnnn.

**Cause**
STORAGE OBTAIN for component failed. component is an identifier generated dynamically that has meaning to Dell EMC Customer Support to help in diagnosing the problem. The RTN code and RSN code are from the STORAGE OBTAIN. The Write Pacing Monitor cannot continue and will take a SNAP dump and then shut down. SCF will continue to operate normally, but the Write Pacing Monitor should not be restarted without consulting Dell EMC Customer Support.

**Action**
Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available. Give them the full text of the message including the message ID, and get instructions for FTP'ing the SNAP dump to the Dell EMC support site.

**More Information**
BASIC

SCF170DW

Invalid filter specified, defaulting to ZERO

**Cause**
An invalid filter was specified on the SCF.WPA.SMF.FILTER initialization parameter and the monitor is defaulting to recording all statistics records, including those with statistics of all zeroes.

**Action**
If you do not want reporting on all zero statistics records, correct the SCF.WPA.SMF.FILTER initialization parameter, and perform an SSCF INI,REFRESH.

**More Information**
Message level: BASIC
**SCF170EW**

WPA - Invalid poll interval specified, using default

**Cause**
An invalid poll interval was specified in the SCF.WPA.POLL.INTERVAL initialization parameter and the monitor is using the default poll interval of 5 minutes.

**Action**
If you do not want to poll using the default interval of 5 minutes, correct the SCF.WPA.POLL.INTERVAL initialization parameter and perform an SSCF INI,REFRESH.

**More Information**
Message level: BASIC

---

**SCF170FW**

WPA - statement ini parm was not found, using default

**Cause**
The SCF.WPA statement specified in this message was not found after the WPA monitor finished reading in all of its SCF INI file parameters.

**Action**
This message is a warning intended to help prevent accidental omission or misspellings of parameters. The omitted parameters have default settings that will be used. If the missing parameter needs to be specified, then update the SCF INI parameter file and perform an SSCF INI,REFRESH.

**More Information**
Message level: BASIC

---

**SCF1710I**

WPA - All local Symmetrix systems will be monitored

**Cause**
The WPA monitor has finished reading all of the SCF INI parameters. It did not find any INCLUDE or EXCLUDE statements. It will be watching and reporting on all of the storage systems local to the LPAR on which it is running.

**Action**
None.

**More Information**
Message level: BASIC
SCF1711I

WPA - All local Symmetrix systems not EXCLUDED will be monitored

Cause
The WPA monitor has finished reading all of the SCF INI parameters. It found only EXCLUDE statements. It will be watching and reporting on all of the Symmetrix systems that were not excluded and are local to the LPAR on which it is running.

Action
None.

More Information
Message level: BASIC

SCF1712I

WPA - All local Symmetrix systems INCLUDED will be monitored

Cause
The WPA monitor has finished reading all of the SCF INI parameters. It found only INCLUDE statements. It will be watching and reporting on all of the storage systems that were included and are local to the LPAR on which it is running.

Action
None.

More Information
Message level: BASIC

SCF1713I

WPA - All local Symmetrix systems INCLUDED, but not EXCLUDED will be monitored

Cause
The WPA monitor has finished reading all of the SCF INI parameters. It found both INCLUDE and EXCLUDE statements. It will be watching and reporting on all of the storage systems that were included, but not excluded, and are local to the LPAR on which it is running.

Action
None.

More Information
Message level: BASIC
SCF1714E

WPA - EHC RDFAM module missing. Write Pacing Monitor stopped.

Cause
The Write Pacing Monitor was unable to locate the EHC RDFAM messages module during startup.

Action
Make sure that the EHC RDFAM module is in the module search order for the SCF started task and restart SCF.

More Information
Message level: BASIC

SCF1715I

WPA Monitor MSGLEVEL set to comma_separated_keywords

Cause
The Write Pacing Monitor will display messages in the listed message level categories. The comma_separated_keywords are one or more of: ALERTS, BASIC, INEXC, STATE, or STATUS.

Action
None.

More Information
Message level: BASIC

SCF1716W

WPA - Invalid message level specified, defaulting to BASIC

Cause
The SCF.WPA.MSGLEVEL parameter specified was invalid. The WPA monitor is defaulting to the BASIC message level.

Action
Correct the SCF.WPA.MSGLEVEL parameter and perform an SCF INI, REFRESH.

More Information
Message level: BASIC

SCF1717W

WPA - No eligible controllers found for the following EXCLUDE statements: ser$(grplist)
**Cause**  
The exclude statements listed were specified in the SCF INI parameter file, but there were no eligible storage systems found corresponding to them.

**Action**  
Correct any of the listed exclude statements if they were in error and perform an SCF INI,REFRESH.

**More Information**  
Message level: INEXC

---

**SCF1718W**

WPA - No controllers found for the following INCLUDES: ser#(grplist)

**Cause**  
The includes listed were specified in the SCF INI parameter file, but there were no eligible storage systems found corresponding to them.

**Action**  
Correct any of the listed includes if they were in error and perform an SCF INI,REFRESH.

**More Information**  
Message level: INEXC

---

**SCF1719I**

WPA - The following EXCLUDE statements are in effect: ser#(grplist)

**Cause**  
The exclude statements listed are active and associated with eligible storage systems.

**Action**  
None.

**More Information**  
Message level: INEXC

---

**SCF171AI**

WPA - The following INCLUDE statements are in effect: ser#(grplist)

**Cause**  
The include statements listed are active and associated with eligible storage systems.

**Action**  
None.

**More Information**  
Message level: INEXC
SCF171BE

WPA - These EXCLUDES refer to unsupported ucode controllers: text

Cause
The exclude statements listed were determined to be invalid in some way and could not be used. Note that text is what was specified in the SCF INI parameters. Depending on the error and how it was parsed, it may not look like an exclude statement.

Action
Correct the listed exclude statements and perform an SCF INI,REFRESH.

More Information
Message level: INCEXC

SCF171CE

WPA - These INCLUDES refer to unsupported ucode controllers: text

Cause
The include statements listed were determined to be invalid in some way and could not be used. Note that text is what was specified in the SCF INI parameters. Depending on the error and how it was parsed, it may not look like an include statement.

Action
Correct the listed include statements and perform an SCF INI,REFRESH.

More Information
Message level: INCEXC

SCF171DE

WPA - Serious error detected. Error text.

Cause
An error was detected that requires the WPA monitor to shut down. The error was such that it could impact the proper operation of the WPA monitor. The WPA monitor will take a SNAP dump and shut down.

Action
Contact Dell EMC Customer Support for technical assistance. Be prepared to send the full text of the message including the message ID, and get instructions for FTP'ing the SNAP dump to the Dell EMC support site. Do not restart the WPA monitor before consulting Dell EMC Customer Support.

More Information
Message level: BASIC
SCF171EI

Write pacing status for Symmetrix serial# follows:

<table>
<thead>
<tr>
<th>Grp#</th>
<th>Pacing State</th>
<th>Interval Delay</th>
<th>Interval Track Count</th>
<th>Total Delay</th>
<th>Total Track Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>srdfgrp</td>
<td>states</td>
<td>nnnnnnnnnnnnnnn</td>
<td>nnnnnnnnnnnnnnn</td>
<td>nnnnnnnnnnnnnnn</td>
<td>nnnnnnnnnnnnnnn</td>
</tr>
</tbody>
</table>

End of display

**Cause**

These messages are issued at monitoring polling intervals for all SRDF groups and storage systems that are being monitored. Note that there are two lines that indicate the delay and track count. The first is the change for the interval, the second is the accumulated amount since monitoring started.

- **serial#**
  - The storage system serial number.

- **states**
  - A comma separated set of: [Paced/Armed/Supported/Enabled]|Inactive.

- **srdfgrp**
  - The 2-digit SRDF group number.

<table>
<thead>
<tr>
<th>nnnnnnnnnnnn</th>
</tr>
</thead>
</table>
| The 16-digit hexadecimal value. For delay, it is the number of microseconds. For track count, it is the actual number of tracks.

**Action**

None.

**More Information**

Message level: STATUS

SCF1722W

WPA - No status messages - group stats not enabled

**Cause**

After the SCF INI parameters are read and status messages are to be displayed, it was found that group statistics were not enabled on the SCF.WPA.STYPES parameter. This message is only displayed a single time after the SCF INI parameters are read.

**Action**

If you do not want group statistics to be disabled, correct the SCF.WPA.STYPES parameter to enable them, and perform an SCF INI refresh. Otherwise, the warning can be ignored.

**More Information**

Message level: BASIC
SCF1724I

Write pacing state change for Symmetrix serial#:

<table>
<thead>
<tr>
<th>Grp#</th>
<th>Current pacing state</th>
<th>Current Tot Dly</th>
<th>Current Tot Track Ct</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Previous pacing state</td>
<td>Previous Tot Dly</td>
<td>Previous Tot Track Ct</td>
</tr>
<tr>
<td></td>
<td>Interval Delay</td>
<td>Interval Track Count</td>
<td></td>
</tr>
</tbody>
</table>

srdfgrp states nnnnnnnnnnnnnnnn nnnnnnnnnnnnnnnn nnnnnnnnnnnnnnn nnnnnnnnnnnnnnn
nnnnnnnnnnnnnnnn nnnnnnnnnnnnnnnn
End of display

**Cause**

These messages are issued for storage systems whenever there is a change in the states, total paced delay, or total paced track count for the SRDF groups being monitored. If there were no changes for an SRDF group being monitored, that SRDF group will not be included in the display for the storage system. If no SRDF groups being monitored on a storage system had any changes, there will be no SCF1724I message for that storage system during the polling interval.

**states**

A comma-separated list of: [Paced/Armed/Supported/Enabled] | Inactive.

**serial#**

The storage system serial number.

**srdfgrp**

The 2-digit SRDF group number.

**nnnnnnnnnnnnnnnn**

A 16-digit hexadecimal value. For delay, it is the number of microseconds. For track count, it is the actual number of tracks.

**Action**

None.

**More Information**

Message level: STATE

SCF1730E

WPA - No controllers found. Functions suspended.

**Cause**

During the polling interval, no eligible storage systems were found to monitor. This message is issued a single time when this condition is found. All monitoring functions and SMF recording are suspended. The WPA monitor will continue to check for storage systems to monitor each polling cycle. Monitor functions will resume when an eligible storage system is found during a polling cycle.
Action
If there should be storage systems eligible for monitoring when this message is received, verify that the storage systems you want monitored are known to SCF and not excluded in some way. Verify that the SCF INI parameters for the WPA monitor are correct and that there are no SCF.WPA.EXCLUDE statements specified that would result in no storage systems being eligible for monitoring. The combination of include and exclude statements for both SCF and the WPA monitor determine the set of storage systems that will be monitored. If a review of the initialization parameters and the connectivity of the storage systems to the LPAR on which the WPA monitor is running indicates that there should be storage systems eligible for monitoring, please contact Dell EMC Customer Support for technical assistance.

More Information
Message level: BASIC

SCF1731I
WPA - No pacing state changes this poll interval

Cause
During the current polling interval there were no pacing state changes found for any of the storage systems and SRDF groups being monitored.

Action
None.

More Information
Message level: BASIC

SCF1732W
WPA - SCF.WPA.MONITOR parm not found. Terminating.

Cause
During startup or after an INI REFRESH the SCF.WPA.MONITOR parm was not found. This parm controls whether the WPA Monitor should be active or not. If not found the WPA monitor will terminate.

Action
If it is the intent that the WPA Monitor should be active, correct the SCF initialization parm file and restart SCF.

More Information
Message level: BASIC

SCF1733E
WPA - SCF.WPA.MONITOR parm invalid. Terminating.
Cause
During WPA Monitor startup or after an INI REFRESH the SCF.WPA.MONITOR parm was found, but its value is invalid. This parm controls whether the WPA Monitor should be active or not. If it is invalid the WPA Monitor terminates.

Action
If the intention is that the WPA Monitor should be active, correct the SCF.WPA.MONITOR initialization parm and restart SCF.

More Information
Message level: BASIC

SCF1734I

WPA - SCF.WPA.MONITOR=DISABLE. Terminating.

Cause
During WPA Monitor startup or after an INI REFRESH the SCF.WPA.MONITOR initialization parm was found to be DISABLE. The WPA Monitor terminates.

Action
None.

More Information
Message level: BASIC

SCF1735I

WPA - SCF.WPA.MONITOR=ENABLE. Starting.

Cause
During WPA Monitor startup the SCF.WPA.MONITOR parm was found set to ENABLE. The WPA Monitor becomes active.

Action
None.

More Information
Message level: BASIC

SCF1736I

WPA - Attempting to load message module EHC RDFAM.

Cause
The message module EHC RDFAM was not preloaded by the SCF initialization process. The WPA Monitor attempts to load it dynamically.

Action
None.

More Information
Message level: BASIC
SCF1737I

WPA - Message module EHCRDFAM successfully loaded.

**Cause**
The dynamic LOAD of the message module EHCRDFAM was successful.

**Action**
None.

**More Information**
Message level: BASIC

SCF1738E

WPA - Dynamic LOAD of message module EHCRDFAM failed.

**Cause**
The message module EHCRDFAM was not preloaded as part of SCF initialization. The WPA Monitor attempted to dynamically load it, but the LOAD failed. The WPA Monitor terminates. The only impact to SCF ResourcePak Base is that the WPA Monitor is inactive. Other functionality is not affected.

**Action**
If you do not want the WPA Monitor to be active, no action is required, and you can ignore this message. If you want the WPA monitor to be active, ensure that the EHCRDFAM module is in your SCF ResourcePak Base STEPLIB or JOBLIB and restart SCF ResourcePak Base. If the EHCRDFAM module is in the STEPLIB or JOBLIB, contact Dell EMC Customer Support for assistance.

**More Information**
Message level: BASIC

SCF173FE

WPA - Bad storage request. Terminating to protect SCF.

**Cause**
The WPA Monitor storage management subroutine received a request that it detected as being abnormal. The types of requests that are considered abnormal:

1. A request to release all storage in a given subpool.
2. A request to release storage that was used to contain a line of WTO text that is greater than the maximum length of a WTO text line.

After issuing this message, the WPA Monitor shuts down to protect SCF.

**Action**
Contact Dell EMC Customer Support, giving them the message ID of this message.
SCF1800E

The address space parameter list is invalid.

Cause
Either an internal error has occurred or the recovery job was not initiated properly. Auto recovery can only be initiated internally as the result of a recoverable event or via the SRDF Host Component recovery command.

Action
If an internal error occurred, see the SCF log to determine the cause and action. Otherwise, initiate auto recovery using the proper command.

SCF1990W

SCF1990W SCF.DEV.[EXCLUDE|INCLUDE] range specified incorrectly: dev#-dev#

Cause
The SCF initialization file contains an SCF.DEV.EXCLUDE or SCF.DEV.INCLUDE statement that specifies an invalid range of devices (shown as dev#-dev#).

Action
Correct the device range to be in ascending order, etc. and restart SCF.

SCF1998I

SYMCMD: text

Cause
This is an MSC process status message enabled byDEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem.

Action
None. This message is issued during normal processing and is not intended for customer tracking or message automation.

SCF2000E

SCF subsystem is not found - Start SCF and retry or cancel

Cause
The SCF subsystem is not active.

Action
Verify that the correct SCF subsystem was specified or start SCF.
SCF2001I

SCF IS NOT AVAILABLE - WAITING

Cause
The SCF subsystem is not active, waiting for SCF to initialize.

Action
Verify that the correct SCF subsystem was specified or start SCF.

SCF2002I

TERMINATING GLOBAL SCF ENVIRONMENT

Cause
The SCF environment will be completely shut down.

Action
None.

SCF2003I

GLOBAL SCF ENVIRONMENT TERMINATED

Cause
The SCF environment has been terminated.

Action
None.

SCF2004I

SCFGLCD AT aaaaaaaa IS TO BE REPLACED

Cause
During SCF initialization or reload processing, the existing API routine will be replaced.

Action
None.

SCF2005I

CURRENT LOCK IS lockid

Cause
During SCF initialization or reload processing, the current lock ID is displayed.
**SCF2006I**

**SCFGBLCD REPLACED, NEW ADDRESS aaaaaaaaa**

**Cause**
The API routine was loaded at the indicated address.

**Action**
None.

**SCF2007I**

**WAITING FOR API ROUTINES TO COMPLETE**

**Cause**
During SCF initialization or reload processing, the existing API routine was found to be in use and cannot be replaced.

**Action**
If initialization does not complete within several minutes, contact the Dell EMC Customer Support Center for technical assistance.

**SCF2008E**

**MODULE module CANNOT BE LOCATED**

**Cause**
SCF initialization failed because a module could not be located.

**Action**
The module must reside in a system LINK LIST library or in the SCF STEPLIB concatenation.

**SCF2009E**

**MODULE module CANNOT BE LOADED, CSA SHORTAGE IS DETECTED**

**Cause**
The module could not be loaded due to insufficient CSA storage.

**Action**
Examine CSA to determine if sufficient storage is allocated or if an errant task is not releasing storage.
SCF2010E

MODULE module FAILED TO BE LOADED

Cause
The module could not be loaded due to a program management error.

Action
Examine the related console messages to determine the cause of the problem.

SCF2011I

MODULE module RELOADED

Cause
This is an informational message indicating the specified module has been reloaded.

Action
None.

SCF2012I

WAITING FOR SRB TO COMPLETE CLEANUP

Cause
This is an information message indicating SRB is scheduled to complete cleanup of XM Services.

Action
None.

SCF2013E

FORCE CLEANUP: REPLY Y OR N

Cause
This message is issued when the existing processing is taking an unusually long time, which could be a sign of an abnormal condition.

Action
Reply Y to force the cleanup and continue processing. Reply N to allow more time for the existing processing to continue without forcing a cleanup.

SCF2014I

$SASECSA IS CORRUPTED. CLEANUP COMPLETED.
Cause
The termination process detected a corrupted $SASECSA and forced a complete cleanup.
Action
None.

SCF2015I

GLOBAL CODE RELEASED

Cause
The termination process released Global Code.
Action
None.

SCF2016I

$SASECSA IS RELEASED

Cause
The termination process released $SASECSA.
Action
None.

SCF2017E

SUBSYSTEM NOT FOUND

Cause
The subsystem name identified by the DD card was not found on the subsystem chain.
Action
Change the DD card to identify the required subsystem name and rerun the job.

SCF2018I

SUBSYSTEM IS CLEANED UP

Cause
The termination process completed the cleanup of all resources held by the subsystem.
Action
None.
SCF2019E

BAD PARM ON THE EXEC CARD

Cause
The SCF utility is invoked as a batch job and the parameter is not either “TERMSCF” or “CLEANSCF.”

Action
Change the PARM on the EXEC card and rerun the job.

SCF2020I

SCFGBLSN MODULE NOT FOUND, LFC NOT SPECIFIED, SNAP Vv.r ACTIVE

Cause
The high-level SNAP module was not found and the SNAP LFC (Licensed Feature Code) was not specified. Version \( v.r \) of SNAP was loaded.

Action
If the high-level SNAP module is needed, contact your Dell EMC sales representative to obtain a valid LFC for SNAP.

SCF2021I

SCFGBLSN MODULE FOUND, LFC NOT SPECIFIED, SNAP Vv.r ACTIVE

Cause
The high-level SNAP module was found, but the SNAP LFC (Licensed Feature Code) was not specified. Version \( v.r \) of SNAP was loaded.

Action
If the high-level SNAP module is needed, contact your Dell EMC sales representative to obtain a valid LFC for SNAP.

SCF2022I

SCFGBLSN MODULE NOT FOUND, LFC WAS SPECIFIED, SNAP Vv.r ACTIVE

Cause
The high-level SNAP module was not found, but the SNAP LFC (Licensed Feature Code) was specified. Version \( v.r \) of SNAP was loaded.

Action
Module SCFGBLSN must be made available to SCF, either in a linklist dataset or one of the SCF steplib/joblib datasets.
SCF2023I

SCFGBLSN MODULE FOUND, LFC SPECIFIED, SNAP v.r ACTIVE

Cause
The high-level SNAP module was found and the SNAP LFC (Licensed Feature Code) was specified. Version v.r of SNAP was loaded.

Action
None.

SCF2025E

INVALID SCF NAME

Cause
An invalid SCF name was detected.

Action
Correct the SCF name and try again.

SCF2026E

VERSION MISMATCH IS DETECTED. CLEANUP CONTINUES FOR SCF Vversion

Cause
This message is issued after CONTINUE is specified in response to message “SCF2028E”. SCF will clean up the Global environment and load the current version level.

Action
None.

SCF2026I

SCF SUBSYSTEM USING COMMAND PREFIX xxxx

Cause
The message indicates that there was either a command prefix SCF.INI.CPFX=xxxx parameter in the SCF INI file or the command prefix was taken from the //SCF$xxxx DD suffix that was used during SCF startup. SCF will not use "EMC" from the //SCF $EMC DD as a default command prefix. To use "EMC" it must be SCF.INI.CPFX=EMC parameter in the SCF INI file. The SCF.INI.CPFX=xxxx parameter will override the //SCF$xxxx DD.

Action
None. This message is informational only.
**SCF2027E**

**VERSION MISMATCH IS DETECTED. RESTART SCF WITH VERSION Vversion OR CLEANUP AND CONTINUE WITH VERSION Vversion**

**Cause**
SCF detected that there is a global environment present that was loaded by a previous SCF initialization at a different version level.

**Action**
This SCF will issue message SCF2028E requesting operator response.

**SCF2028E**

**CONTINUE OR TERMINATE SCF? C or T**

**Cause**
This message is issued after message SCF2027E.

**Action**
Reply C (CONTINUE) to have SCF initialization clean up the Global environment and load the current version level, or reply T (TERMINATE) to terminate SCF. If TERMINATE is selected, restart SCF with the previous version level and then stop it with the “INI,SHUTDOWN” command, or use the SCF Termination Utility to stop the global environment before restarting SCF.


**SCF2029I**

**SCFGBLSQ MODULE FOUND, API Vversion ACTIVE**

**Cause**
This message indicates the version level of the TimeFinder/Clone Mainframe SNAP API interface modules loaded during SCF initialization.

**Action**
None. Informational message.

**SCF2030E**

**SRB FAILED TO SET UP XM ENVIRONMENT**

**Cause**
The cross-memory environment failed to set up. Abend 2005 follows this message.
Action
Run the SCF global environment cleanup utility SAMPLIB (SCFUTL01). The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides more information.

SCF2032E

INVALID COMMAND PREFIX SPECIFIED

Cause
This message indicates a program error. The prefix contains characters not in the range of 41 to FF (hex).

Action
Correct the prefix and try the request again.

SCF2033E

PREFIX ALREADY EXISTS

Cause
The message indicates a program error. You specified DEFINE for a prefix that already exists. CPF internally issues the MVS DISPLAY OPDATA command, which displays the command prefixes defined for subsystems in the sysplex.

Action
If you specified the wrong prefix, correct the problem and try the request again.

SCF2034E

PREFIX IS A SUBSET/SUPERSET OF AN EXISTING PREFIX

Cause
This message indicates a program error. You specified DEFINE with a prefix that is a subset or superset of an existing prefix. CPF internally issues the MVS DISPLAY OPDATA command, which displays the command prefixes defined for subsystems in the sysplex.

Action
Refer to prefix subset/superset requirements. Correct the problem and try the request again.

SCF2035E

CPF ERROR, RC=rc,RS=rs

Cause
System error. A broadcast of an updated CPF table failed, or an abend occurred.

rc
Specifies the return code returned from z/OS CPF DEFINE macro.

\textit{rc}

Specifies the reason code returned from z/OS CPF DEFINE macro.

\textbf{Action}

If an abend occurred, register 0 contains the abend code. Record the return code and supply it to the Dell EMC Customer Support Center. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

\textbf{SCF2036E}

\textbf{INTERNAL ERROR. $\$SASCVT CORRUPTED}

\textbf{Cause}

Internal error.

\textbf{Action}

Recycle SCF.

\textbf{SCF2037E}

\textbf{INTERNAL ERROR. $\$SASECSA CORRUPTED}

\textbf{Cause}

Internal error.

\textbf{Action}

Recycle SCF.

\textbf{SCF2038E}

\textbf{INTERNAL ERROR. BAD FC IN SCFLCCPF}

\textbf{Cause}

Internal error.

\textbf{Action}

Recycle SCF.

\textbf{SCF2039I}

\textbf{CPF NAME WAS NOT SPECIFIED}

\textbf{Cause}

The Command Prefix Facility (CPF) for SCF is not active because the CPF name was not specified in the INI file.

\textbf{Action}

All console commands for SCF must be entered via MODIFY command.
**SCF2040I**

SCFGBLSN MODULE LOADED, SNAP Vx.y ACTIVE

**Cause**
The high-level SNAP module was found and loaded. It is available for EMCSNAP execution. Note that licensing is controlled at SNAP execution time.

**Action**
None.

**SCF2041I**

TM31A - aaaaaaaaa Processing SCF xxxx

**Cause**
An action is starting on an SCF subsystem, where aaaaaaaaa indicates the action (cleanscf or termscf) and xxxx indicates the SCF subsystem name.

**Action**
None, this message is informational only.

**SCF2042W**

TM31A - WARNING! SCF xxxx is currently active, aaaaaaaaa should NOT run while SCF xxxx is active.

**Cause**
Actions are running against an active SCF, where aaaaaaaaa indicates the action (cleanscf or termscf) and xxxx indicates the SCF subsystem name.

**Action**
Reply to responses. Unless there is a valid reason, do not continue against an active SCF.

**SCF2043W**

TM31A - SCF xxxx SHOULD be SHUTDOWN before continuing.

**Cause**
This is a continuation of message SCF2042W.

**Action**
Reply to responses. Unless there is a valid reason, do not continue against an active SCF.
### SCF2044I

**TM31A - Confirm aaaaaaaaa action to SCF xxxx**

**Cause**
This is a continuation of messages SCF2042W and SCF2043W, where aaaaaaaaa indicates the action (cleanscf or termcfsf) and xxxx indicates the SCF subsystem name.

**Action**
Reply to responses. Unless there is a valid reason, do not continue against an active SCF.

### SCF2045I

**TM31A - Reconfirm aaaaaaaaa action to SCFxxxx**

**Cause**
This is a continuation of messages SCF2042W, SCF2043W, and SCF2044I, where aaaaaaaaa indicates the action (cleanscf or termcfsf) and xxxx indicates the SCF subsystem name.

**Action**
Reply to responses. Unless there is a valid reason, do not continue against an active SCF.

### SCF2046A

**TM31A - reply Y to continue action, C to cancel**

**Cause**
This is a continuation of the previous messages.

**Action**
Reply Y to continue action or C to cancel action.

### SCF2047E

**TM31A - SCF$xxxx DD is required, add SCF$xxxx DD statement and resubmit JCL**

**Cause**
The SCF subsystem DD statement //SCF$xxxx DD DUMMY is missing.

**Action**
Add the SCF subsystem DD statement //SCF$xxxx DD DUMMY and resubmit the JCL.
SCF2048I

TM31A - aaaaaaaa will now proceed

**Cause**
The reply was Y to continue with action, where aaaaaaaa indicates the action (cleanscf or termcf).

**Action**
None.

SCF2049E

TM31A - aaaaaaaa canceled

**Cause**
The reply was N to cancel the action, where aaaaaaaa indicates the action (cleanscf or termcf).

**Action**
None.

SCF2050I

TM31A - INVALID RESPONSE, PLEASE TRY AGAIN

**Cause**
There was an invalid response to message SCF2046A.

**Action**
Reply Y to continue action or C to cancel action.

SCF2051I

TM31A - SCF xxxx is NOT active, continuing aaaaaaaa action

**Cause**
SCF is not active and the action can continue, where aaaaaaaa indicates the action (cleanscf or termcf).

**Action**
None.

SCF2500I

PDVHC - Pooled Devices maintenance task starting
Cause
While SCF was starting up, it initiated the health check task.

Action
None.

SCF2501I

PDVHC - Pooled Devices maintenance task ending

Cause
The health check task is ending.

Action
None.

SCF2502E

PDVHC - Initialization error

Cause
The health check task failed to start.

Action
Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

SCF2510W

PDVHC - GNS LIST request failed - RC=cccccccc RS=ssssssss

Cause
An internal GNS LIST request failed.

Action
None.

SCF2511W

PDVHC - GNS request for GROUP contains invalid data

Cause
The health check task issued a GNS request and got unexpected data.

Action
None.
SCF2512W
PDVHC - CONFIGGLOBAL API request failed

**Cause**
The health check task issued a CONFIGGLOBAL API call that failed. Refer to message SCF2514W for details.

**Action**
None.

SCF2513W
PDVHC - DEVS API request failed

**Cause**
The health check task issued a DEVS API call that failed. Refer to message SCF2514W for details.

**Action**
None.

SCF2514W
PDVHC - RC=aaaaaaaa EMCRC/EMCRS/EMCRCX=bbbb/cccc/sdddd
CCUU=xxxx MHOP=yyyyyyyyyyyyyyyy

**Cause**
An API request failed as indicated by a previous message. This message gives details about the failure.

**Action**
None.

SCF2515W
PDVHC - GNS DISPLAY request failed for group aaaaaaaaa

**Cause**
The health check task issued a GNS DISPLAY request that failed. Refer to message SCF2518W for details.

**Action**
None.
SCF2516W

*PDVHC - GNS REMOVE request failed for group aaaaaaaaa*

**Cause**
The health check task issued a GNS REMOVE request that failed. Refer to message SCF2519W for details.

**Action**
None.

SCF2517W

*PDVHC - GNS EXTEND request failed for group aaaaaaaaa*

**Cause**
The health check task issued a GNS EXTEND request that failed. Refer to message SCF2519W for details.

**Action**
None.

SCF2518W

*PDVHC - RC=xxxxxxxx RS=yyyyyyyy*

**Cause**
A GNS request failed as indicated by a previous message. This message gives details about the failure.

**Action**
None.

SCF2519W

*PDVHC - RC=xxxxxxxx RS=yyyyyyyy DV#=sdddd SYMM=ssssssssssss*

**Cause**
A GNS request failed as indicated by a previous message. This message gives details about the failure.

**Action**
None.
SCF2521W

PDVHC - META API request failed

**Cause**
An API query request for meta devices failed. Refer to message SCF2514W for details.

**Action**
None.

SCF2522W

PDVHC - Internal error - RS=xxxxxxxx tttttttttttt

**Cause**
The health check task encountered an internal error.

**Action**
Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

SCF3894W

DAS IS NOT ACTIVE

**Cause**
An SCF AutoSwap command has been entered, however SCF.DAS.ACTIVE is not set to YES.

**Action**
If AutoSwap is to be activated, change or add the SCFINI specification SCF.DAS.ACTIVE=YES. Issue the SCF INI,REFRESH command followed by the DAS,REFRESH command.

SCF3895E

DAS ENVIRONMENT IS NOT ACTIVE

**Cause**
An SCF AutoSwap command has been entered, however the DAS environment has failed. This could indicate that the DAS environment has abended and failed to restart.

**Action**
Examine the SCF log to determine the reason for the DAS environment failure. SCF may need to be restarted to re-activate the DAS environment. Contact Dell EMC Customer Support Center for technical assistance.
SCF3896I

Cause
This message reflects the entered AutoSwap command.

Action
None.

SCF3897I

DAS xxxxxxxx COMMAND COMPLETED

Cause
This message indicates the completion of the entered AutoSwap command.

Action
None.

SCF3898I

DAS REFRESH SCHEDULED

Cause
This message indicates that the SCF.DAS.ACTIVE specification will be reprocessed.

Action
None.

SCF3899E

DAS xxxxxxxx COMMAND FAILED

Cause
This message indicates that the AutoSwap command has failed.

Action
Examine the z/OS system log or SCF joblog to determine the reason for the failure. Correct and re-enter the command.

SCF3997S

DAS TERMINATED IN ERROR
Cause
AutoSwap has terminated prematurely. This could indicate an ABEND in AutoSwap processing. This is accompanied by an ABENDU3997.

Action
Examine the SCF job log to determine the reason for the failure. If AutoSwap is not automatically restarted, then SCF may need to be restarted to re-active the DAS environment. Contact Dell EMC Customer Support Center for technical assistance.

SCF3998E

DAS COMPLETED RC

Cause
AutoSwap has ABENDed.

Action
Examine the SCF joblog to determine the reason for the failure. Refer to also message SCF3997S.

SCF3999I

DAS SERVICE MODULE EMCSNAS CANNOT BE LOCATED, RC: xxxxxxxx

Cause
During DAS activate processing, the EMCSNAS module could not be located. xxxxxxxx indicates the BLDL return code when attempting to locate the module.

Action
Ensure that the EMCSNAS module is available in the load library concatenation for the SCF PROC and/or refer to the IBM documentation DFSMS Macro Instructions for Data Sets for return codes from the BLDL service.

SCF4000E

Flash Copy failed to initialize because module nnnnnnnn was missing.

Cause
During startup, a required module was not found.

Action
Install the required module from the Dell EMC installation package.

SCF4001I

Flash Feature has been installed.

Cause
The Compatible Flash installation completed successfully.
**SCF4002I**

Flash Feature has been disabled.

**Cause**
This message displays after Compatible Flash has completed the uninstall of the feature. The uninstall can be triggered by an SCF shutdown or a Compatible Flash DISABLE command.

**Action**
None.

**SCF4003I**

FLS nnnnnnn.

**Cause**
This message displays the command passed to the Compatible Flash command processor.

**Action**
None.

**SCF4004I**

FLS nnnn completed.

**Cause**
The user command completed successfully.

**Action**
None.

**SCF4005I**

FLS nnnn failed.

**Cause**
The user command was unsuccessful.

**Action**
Check the command and re-enter it correctly.
SCF4006I

FLS nnnnn failed; Flash is not licensed.

Cause
The required Compatible Flash licensed feature code (LFC) has not been installed.

Action
Contact your Dell EMC sales representative to obtain a valid LFC for Compatible Flash.

SCF4007I

FLS nnnnn failed; Flash environment not found.

Cause
The SCF environment for Compatible Flash has not been activated or it has been stopped.

Action
Enable Compatible Flash before issuing commands to it.

SCF4008I

FLS nnnnn failed; Flash is already enabled.

Cause
The ENABLE command was not processed because the environment was already active.

Action
None.

SCF4009I

FLS nnnnn failed; Flash is already stopped.

Cause
The DISABLE command was not processed because the environment was stopped.

Action
None.
Controller xxxxxxx-xxxxx is currently using CCUU xxxx, Symm device [ddddddd | *NonEMC*] as its SCF gatekeeper.

**Cause**
The specified storage system is using the specified device as its SCF gatekeeper.

**Action**
None.

---

FLS nnnnn COMMAND not accepted, Flash environment is stopped.

**Cause**
The SCF environment for Compatible Flash has not been activated or it has been stopped.

**Action**
Start Compatible Flash before issuing commands to it.

---

FLS nnnnn COMMAND not processed due to incomplete environment initialization.

**Cause**
The SCF environment for Compatible Flash has not completed initialization.

**Action**
Wait a few seconds and try the command again. If the command continues failing, use the DISABLE command to stop Compatible Flash. After the DISABLE has been processed, use the ENABLE command to restart Compatible Flash.

---

FLS nnnnn COMMAND requires 16 hex digits. Syntax is FLS,DEBUG(xxxxxxxxx,xxxxxxxxx).

**Cause**
You made a mistake entering the command.

**Action**
Re-enter the command correctly.
**SCF4015I**

Format 1:

ccuu nnnn found and are Flash enabled.
ccuu (nnnn-nnnn) found and are Flash enabled.

Format 2:

ccuu nnnn found but Flash has been disabled.
ccuu (nnnn-nnnn) found but Flash has been disabled.

Format 3:

ccuu nnnn not emulated Flash devices.
ccuu (nnnn-nnnn) not emulated Flash devices.

Format 4:

ccuu nnnn managed by SCF(jobname).
ccuu (nnnn-nnnn) managed by SCF(jobname).

**Cause**

Format 1:
The device or device range is being managed by Compatible Flash.

Format 2:
The device or device range was being managed by Compatible Flash. Someone has explicitly entered a command to remove one or more devices from the Compatible Flash environment.

Format 3:
The device or device range is unknown to Compatible Flash.

Format 4:
The device or device range is managed by the specified SCF.

**Action**
None.

**SCF4016I**

FLS nnnnn COMMAND requires 4 hex digit value and a 2 hex digit value. Syntax is FLS,PHASE(ccuu,xx).

**Cause**
A mistake was made entering the command.

**Action**
Re-enter the command correctly.
**SCF4018I**

FLS - Flash still has n active requests. Waiting for active requests to complete.

*Cause*
There are outstanding I/O requests against Compatible Flash enabled devices. Shutdown is waiting for the requests to complete before uninstalling Compatible Flash. Compatible Flash is in a quiesced state and will not accept new requests; any outstanding requests will complete.

*Action*
Wait.

**SCF4020I**

Device discovery is complete

*Cause*
Device discovery completed.

*Action*
None.

**SCF4025E**

Flash requires SNAP 5.6.0 (001) or later found SNAP TION FLASH disabled

*Cause*
No maintenance has been applied to the base TimeFinder/Clone Mainframe Snap Facility product.

*Action*
Apply all maintenance to TimeFinder/Clone Mainframe Snap Facility. Verify that all appropriate Compatible Flash operating environment patches have been applied for the operating environment you are running.

**SCF4030E**

Flash Copy failed to initialize because LPA load failed RC=n, RS=n.

*Cause*
A required module failed to load.

*Action*
Install the required module from the Dell EMC installation package.
**SCF4033I**

Compatible Flash was not enabled on controller nnnnnnnnnnn, Enginuity level xxxx is too old.

**Cause**
Compatible Flash discovery determined that the storage system nnnnnnnnnnn is not eligible for Compatible Flash because its operating environment level is too old.

**Action**
Contact Dell EMC Customer Support Center for technical assistance in determining the required operating environment level and install the operating environment.

**SCF4034I**

Symm ser # nnnnnnnnnnn mclvl xxxx is Native Flash capable. Compatible Flash withdrawn.

**Cause**
Compatible Flash determined that storage system nnnnnnnnnnn at operating environment level xxxx is Native Flash capable.

**Action**
If Native Flash support has not been enabled on the storage system and you want Flash support, then enable Native Flash support in the storage system.

**SCF4035I**

Validate that Native Flash is enabled.

**Cause**
Compatible Flash determined that a Dell EMC storage system is Native Flash compatible. See the preceding message SCF4034I for specific details.

**Action**
If you desire Native Flash support and it is enabled in the storage system you may ignore this message.

**SCF4150W**

FLS COULD NOT RESET FLASHCOPY ON DEVICE ccuu, USE ''VARY ONLINE,ccuu,UNCOND."

**Cause**
Compatible Flash was unable to reset a device.

**Action**
Follow the instructions in the message.
SCF4152I

**FLS REQUEST ENDING FOR JOBNAME**

**Cause**
The I/O request against a Compatible Flash enabled device is completed for the specified jobname.

**Action**
None.

SCF4300I

**CONTROLLER nnnnnnnnnnnn is missing one or more of the following required FLASH patches.**

**Cause**
A required Compatible Flash operating environment patch is missing.

**Action**
None.

SCF4300W

**REQUIRED PATCHES FOR xxxxxxxxxxxxx ARE: yyyyy**

**Cause**
A required Compatible Flash operating environment patch is missing.

**Action**
Install the specified patch.

SCF4303I

**text**

**Cause**
The parser was invoked to parse a command.

**Action**
None.

SCF4306I

**REG ... Command Complete**
**Cause**
Service Release Registration was issued and completed.

**Action**
None.

---

**SCF4310E**

REG ... Command Failed

**Cause**
Service Release Registration was issued and failed.

**Action**
Correct the command and reissue.

---

**SCF4311E**

REG ... Command failed - registration (REG) environment not found.

**Cause**
Service Release Registration was issued and REG environment not found.

**Action**
Check the active SCF for correct release.

---

**SCF4312I**

SRX cmdtype COMMAND not accepted, Scratch Exit environment is stopped.

**Cause**
An operator command was issued to the SRX environment. However, this particular environment does not appear to be started. This can occur during SCF startup prior to the environment completing initialization.

**Action**
Wait for SCF startup to complete and reissue the command. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

---

**SCF4313E**

DEV command not processed due to incomplete environment initialization.

**Cause**
The zBoost PAV Optimizer command could not be processed as initialization processing is not complete. This message would generally only occur during EMCSCF startup prior to zBoost PAV Optimizer being initialized.
**SCF4316I**

REG ... Command not accepted - registration environment is stopped.

**Cause**
Service Release Registration was issued and REG environment is stopped.

**Action**
Enable the REG environment.

**SCF4317E**

REG ... Command not processed due to incomplete environment initialization.

**Cause**
Service Release Registration was issued and REG environment is not fully started.

**Action**
Wait until the REG environment is started.

**SCF4318I**

REG Service Release Registration (REG) report detail

**Cause**
The message provides detail lines for REG reports.

**Action**
None.

**SCF4330E**

SRX mmmmmm LOAD failed: eeeeeeeee (diagnostic codes)

**Cause**
The indicated module *mmmmmmmm* could not be successfully loaded as described by the following *eeeeeeeeee* explanation:

- Storage shortage
- Not found
- LOAD error
- Loaded routine not expected routine
Action
Verify that SCF is installed correctly and that there is not a conflicting module by the same name for a different product in the same library sequence.

SCF4331W

SRX global will be refreshed. Version is vrm, level is llllllll, should be version vrm, level llllllll

Cause
On startup, the current global areas maintained by SRX are not at the correct level. A new global environment will be loaded.

Action
None.

SCF4332E

SRX iiiiiiii interface processing failed rc,rsn,info

Cause
SRX interface processing failed. This is a diagnostic message for Dell EMC Technical Support.

Action
Refer to other messages generated prior to this message, in particular, the SCF44xx series messages. If the reason for failure cannot be determined, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

SCF4333E

SRX global is not at the correct level. Version is vrm, level is llllllll, should be version vrm, level llllllll

Cause
On startup, the global areas maintained by SRX are not at the correct level. The loaded version does not match the expected version.

Action
This indicates an installation issue. Verify that the correct levels of ESFHGLBL and ESFHM00 are available in the SCF concatenated libraries.

SCF4334E

SRX global will be reloaded. Current global cannot be identified.

Cause
On startup the global modules maintained by SRX did not appear valid and will automatically be reloaded.
**SCF4335I**

**SRX global interfaces loaded @xxxxxxxx [reused]**

**Cause**
On startup, this indicates the address where the global areas maintained by SRX are loaded. [reused] indicates that the global is being reused from a previous start, as the area is still compatible.

**Action**
None.

**SCF4336I**

**SRX global refresh requested**

**Cause**
On startup, this indicates that the global areas maintained by SRX are still compatible but will be refreshed due to an explicit SCF.SRX.REFRESH=YES.

**Action**
None.

**SCF4338W**

**REG ... Command rejected. A REFRESH is in progress - internal tables are being updated.**

**Cause**
Service Release Registration was issued and an internal refresh is in progress.

**Action**
Wait and until Command Complete and reissue the command.

**SCF4339W**

**REG LISTGRP command unsuccessful. The specified application group name is invalid.**

**Cause**
The application group name is invalid. The group name must be in the manifest list.

**Action**
Issue REG SUMMARY to see the valid groups. Reissue the command.
SCF4340I

REG Environment started

Cause
SCF has started the REG environment.

Action
None.

SCF4341I

REG Environment Ended

Cause
SCF has ended the REG environment.

Action
None. You cannot issue any commands.

SCF4342W

REG Command ignored. Environment is disabled - use REG,ENABLE to enable.

Cause
Service Release Registration was issued and the environment is disabled.

Action
Enable REG environment via REG ENABLE.

SCF4343W

REG Command invalid found: *******

Cause
Service Release Registration was issued and the syntax was invalid.

Action
Correct the invalid syntax and reissue the command.

SCF4345I

DEV device xxxx host attributes set : aaaaaaaaaa
**SCF4346I**

DEV device xxxx host attributes reset

**Cause**
Host attributes have been reset for the indicated device xxxx. For example, a valid CUU was removed from the SCFINI parameter SCF.DEV.ATTR.HRO.INCLUDE.LIST or added to the SCFINI parameter SCF.DEV.ATTR.HRO.EXCLUDE.LIST, causing the host read only attribute to be reset on the specified device.

**Action**
None.

**SCF4348E**

REG Registration failed because SCF is not active or no controllers were found.

**Cause**
You entered service release registration command REGISTER, and registration has failed because SCF is not active or no storage systems are found.

**Action**
Check the SCF subsystem name on the SCF$nnnn DD statement in the job step and ensure that the subsystem name is specified correctly. Also, ensure that your SCF has discovered at least one storage system, because registration cannot occur if there are no storage systems to register with.

**SCF4355I**

DEV device dddd (volser) OPTIMIZE reset

**Cause**
An SCFINI or configuration change has occurred such that device dddd is no longer under zBoost PAV Optimizer or Mirror Optimizer control.

volser is the volume label if the device is online, or **offl if the device is offline.

This message is only displayed when SCF.DEV.OPTIMIZE.VERBOSE=YES is specified.
**SCF4356I**

DEV device dddd (volser) OPTIMIZE set: type (mode) [Mirror_status] [PAV_status] [zHPF_status] [consistency_status]

**Cause**
An SCFINI or configuration change has occurred such that device **dddd** is now under optimizer control.

*volser* is the volume label if the device is online, or **offl** if the device is offline.

- **type**
  Is the optimizer type: PAV, MIR, or MIR-S. MIR-S indicates a Mirror Optimizer secondary (R2) device.

- **mode**
  Optimizer mode as set by the SCF.DEV.OPTIMIZE.type initialization parameter or SELECT statements:
  - basic monitor — Basic monitoring is active. Only the basic zHPF statistics is maintained.
  - read/write — Optimizer processing is performed on read and write channel programs. Applies to zBoost PAV Optimizer only.
  - read only — Optimizer processing is performed on read channel programs only. Passive monitoring is active on write channel programs. Applies to zBoost PAV Optimizer only.
  - write only — Optimizer processing is performed on write channel programs only. This applies to both zBoost PAV Optimizer and Mirror Optimizer. Passive monitoring is active on write channel programs.
  - passive monitor — Monitor and maintain the optimizer statistics. No further processing is performed to optimize the read or write processing.

- **Mirror_status**
  Is the current state of the PowerMax/VMAX HyperWrite. This applies to Mirror Optimizer only. Where a non-active or activate error is indicated, the F emcscf,DEV,OPTIMIZE REFRESH FULL command may be necessary to re-evaluate the Mirror Optimizer configuration. This runs against all devices including those that the F emcscf,DEV,OPTIMIZE DIS DEV ALL MIROEXCEPTION command detected as being no longer active. Where indicated by the command output, an F emcscf,DEV,OPTIMIZE REFRESH FULL command is necessary so that Mirror Optimizer can re-evaluate devices in an exception state.
  - Pend
    The device is pending active to a HyperWrite state. Mirror Optimizer activates automatically once the HyperWrite state is detected as active.
  - Act
    The device is in an active HyperWrite state.
  - ActErr
    Mirror Optimizer has attempted to set the HyperWrite state. However, a failure was detected during the activation process. Refer to additional messages generated by Mirror Optimizer during activation processing.
- **NotAct**[(+clear)]
  Mirror Optimizer has detected that the HyperWrite state is not active. Mirror Optimizer performs additional processing to put devices in a HyperWrite active state. Additional messages appear during this process. Once the HyperWrite state is detected as active, Mirror Optimizer becomes active.

Where Mirror Optimizer performs additional processing to clean up a prior HyperWrite state, (+clear) status is shown.

- **NotSup**
  Mirror Optimizer cannot activate on the device as the storage system is not at the required operating environment level. The minimum operating environment level is HYPERMAX OS 5977.1125 with patch 96960. Only passive or basic monitoring is allowed.

- **Pact** (R1|R2 only)
  The device is in a partially active HyperWrite state. Either R1 only or R2 only follows to indicate which device is active.

- **TermI**
  Mirror Optimizer has been detected as terminated during I/O processing.

- **TermS**
  Mirror Optimizer has been detected as terminated during Mirror Optimizer configuration processing.

- **ValInc**
  SRDF/S validation is incomplete. An error was detected during validation of the R2 device. Refer to other messages such as SCF4388W to determine the reason.

- **PAV status**
  Indicates the currently known, transition, or active PAV state:
  - **Now HyperPAV** — Device has transitioned from non-HyperPAV to HyperPAV.
  - **Not HyperPAV** — The device is defined as PAV and not HyperPAV.
  - **Not PAV** — Device is not defined as PAV. In this case, zBoost PAV Optimizer processing will not be performed for the device whether or not the read and/or write mode setting is enabled for the device.

- **zHPF status**
  Indicates the currently known, transition, or active zHPF state:
  - **Now zHPF** — Device has transitioned from non-zHPF to zHPF.
  - **Not zHPF** — The device is defined as non-zHPF and no PAV optimization will be performed for the device. Note that this can be indicated for offline devices even though zHPF is active on the LPAR and the device is eligible for zHPF. In this instance, the device will be seen as zHPF once the device is varied online. zBoost PAV Optimizer will be active on the device at that point and some time later will indicate **Now zHPF** when the device is next evaluated.

- **consistency status**
  Indicates whether the device is exempt from consistency processing:
  - **Exempt** — The device has been set as consistency exempt. This means that the device can continue to perform write processing during a consistency write suspend event.

This message is only displayed when SCF.DEV.OPTIMIZE.VERBOSE=YES is specified.
SCF4357I

Action
None.

DEV OPTIMIZE.type.VOLSER.INCLUDE=volser VOLSER not ONLINE

Cause
During configuration processing for the indicated optimizer type, the indicated volser could not be located for the specified SCF.DEV.OPTIMIZE.type.VOLSER.INCLUDE. The VOLSER is ignored and will not be part of the optimizer configuration.

Action
If necessary, vary the required VOLSER online and issue an F emcscf,INI,REFRESH command to re-evaluate the optimizer configuration.

SCF4358I

DEV OPTIMIZE.type updated uuuuuuuu, set sssssssss, reset rrrrrrrr, state changed cccccc devices

Cause
Summary message following configuration processing of the indicated optimizer type to indicate changes to the current configuration:

- uuuuuuuu: Number of devices affected by an SCFINI parameter setting.
- sssssssss: Number of devices that are now optimized for the indicated type.
- rrrrrrrr: Number of devices that are no longer optimized for the indicated type.
- cccccc: Number of devices that changed state to/from zHPF and/or HyperPAV.

Action
None.

SCF4360I

DEV cannot determine PAV status for device dddd [:rsn]

Cause
During zBoost PAV Optimizer configuration processing, an issue was detected when trying to determine the PAV or HyperPAV state of the indicated device (ddda). The appended reason (rsn) further describes the issue:

- UCBINFO PAVINFO RC/RS xxxxxxxx/yyyyyyyy — The IBM UCBINFO PAVINFO service failed for the indicated reason. Contact the Dell EMC Customer Support Center for technical assistance.
IOPM RC/RS xxxxxxxx/yyyyyyyy — The IBM I/O path management service failed for the indicated reason. This is a secondary issue message whereby other messages may indicate additional device connectivity issues. Displayed only if SCF.DEV.OPTIMIZE.VERBOSE=YES is specified.

Volume label cannot be read — The indicated device cannot be HyperPAV initialized as the device does not have a readable VOL1 (volser) label. This could indicate that the device is in a NRDY state or has not yet been initialized. Displayed only if SCF.DEV.OPTIMIZE.VERBOSE=YES is specified.

No configured alias — The indicated base device does not have any configured HyperPAV alias. zBoost PAV Optimizer processing has attempted to condition the device, however no configured alias could be located. Issue D M=DEV(xxxx) to examine the HyperPAV configuration for the device. This could indicate a configuration or Symmetrix bin file issue.

Action
As described in each rsn above.

SCF4362W

DEV device dddd OPTIMIZE not applicable [:rsn]

Cause
The indicated device dddd is not applicable for the indicated rsn:

- Device creation failed — Optimizer processing failed to create the required internal device blocks. Contact the Dell EMC Customer Support Center for technical assistance.
- Non-Dell EMC device — The device is not a Dell EMC device. Optimization is only applicable to Dell EMC devices.
- Dell EMC SYSCALL blocked — The device has SYSCALL blocking enabled which prevents Mirror Optimizer from becoming active. Refer to the PowerMax/VMAX access control feature for more information.
- FBA device — The device is an FBA device. Optimization is only applicable to CKD devices.
- UCB condition(condition/diagRC) — The device UCB is not accessible for the indicated condition and indicates an accessibility issue to the device. For example, the device is boxed. Verify access to the UCB using the DS P,ddd,1 command. After resolving the accessibility issue, use the F emcsclf,INI,REFRESH command to initiate optimizer configuration processing. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

This message is only displayed when SCF.DEV.OPTIMIZE.VERBOSE=YES is specified.

Action
As indicated in the reasons above or none.

SCF4363W

DEV OPTIMIZE.type.STORGRP.INCLUDE=storgrp could not be processed [:rsn]
**Cause**
During configuration processing of the indicated optimizer type, the indicated SMS storage group could not be processed for the specified SCF.DEV.OPTIMIZE.type.STORGRP.INCLUDE for the indicated rsn:

- storage group not found — The storage group could not be located. The storage group is ignored and will not be part of the optimizer configuration.
- SMS service RC/RS xxxxxxxx/yyyyyyyy — The SMS Construct Access Services call failed for the indicated reason. Contact the Dell EMC Customer Support Center for technical assistance.
- no SMS results area returned — No devices were returned for the storage group.

**Action**
To determine if the SMS storage group is properly defined, use the ISMF ISPF application or issue the D SMS,STORGRP(storgrp) command. If the reason for failure cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

---

**SCF4364W**

OPTIMIZE.type.ENABLE=[YES|NO] overridden by command

**Cause**
This message is displayed during INI,REFRESH processing to indicate the specified SCF.DEV.OPTIMIZE.type.ENABLE parameter setting in SCFINI is being overridden by the prior issuance of a DEV,OPTIMIZE[type] ENABLE or DEV,OPTIMIZE[type] DISABLE command. The command always overrides the SCFINI specified value.

**Action**
None.

---

**SCF4365E**

DEV OPTIMIZE.type device list cannot be processed due to prior error

**Cause**
A parameter error in the device include/exclude lists has been detected during configuration processing of the indicated optimizer type which prevents further device list processing. This could result in a null or partial optimizer device configuration.

**Action**
Refer to prior SCF0442E messages indicating errors in the device include/exclude list specifications. After resolving any issues, issue an F emcscf,INI,REFRESH command to initiate optimizer configuration processing.

---

**SCF4366W**

DEV OPTIMIZE.PAV SSID sssss has nnn [HyperPAV]|[PAV] base device(s) and no configured aliases
**Cause**
During zBoost PAV Optimizer device configuration processing, the indicated SSID (ssss) has nnn HyperPAV or PAV base devices had no alias defined. This could indicate a configuration or Symmetrix bin file issue.

PAV Optimizer will allow monitoring but will skip split processing for these base devices.

A common reason for this message is when devices are defined as 3390B's in the IODF but have no alias defined in the Symmetrix bin file. This is not necessarily an error but does prevent zBoost PAV Optimizer from performing split processing.

**Action**
If zBoost PAV Optimizer is not relevant to these devices (i.e. they are not being monitored for possible inclusion to zBoost PAV Optimizer), remove them from the SCF.DEV.OPTIMIZE.PAV.INCLUDE.LIST specification or exclude them using SCF.DEV.OPTIMIZE.PAV.EXCLUDE.LIST.

In other cases, refer to any prior IOS messages that could indicate a HyperPAV transition error.

In addition, issue the D M=DEV(xxxx), DS QP,xxxx,HPAV, and DS QP,xxxx,VOLUME operator command for any base device in the indicated subsystem to examine the number of configured alias device. Then verify that the Symmetrix bin file settings are correctly defined for the SSID. For HyperPAV, it might be necessary to perform a HyperPAV transition either by using a VARY xxxx,ONLINE,UNCOND for any base device in the SSID or using SETIOS HYPERPAV=NO followed by YES to force a HyperPAV transition. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

---

**SCF4367I**

DEV OPTIMIZE.PAV SSID ssss HyperPAV quiesce point set to qq from LCU.PCT=pp

**Cause**
During zBoost PAV Optimizer device configuration processing, the indicated SSID (ssss) had its quiesce point set to a count of qq as a result of the SCF.DEV.OPTIMIZE.PAV.QUIPOINT.LCU.PCT=pp specification in SCFINI.

This message is only displayed when SCF.DEV.OPTIMIZE.VERBOSE=YES is specified.

**Action**
None.

---

**SCF4368W**

DEV OPTIMIZE.PAV SSID ssss has [nn non-HyperPAV base][and][zz non-zHPF] device(s)

**Cause**
During zBoost PAV Optimizer device configuration processing, the indicated SSID (ssss) was not in an optimal state for zBoost PAV Optimizer processing. Additional detail is added to indicate where HyperPAV and/or zHPF is not active for the SSID.
**Action**
Verify the HyperPAV and zHPF IOS settings using the D IOS,HYPERPAV and D IOS,ZHPF commands to ensure that both HyperPAV and zHPF are set to YES. Where necessary, issue the SETIOS HYPERPAV=YES and/or SETIOS ZHPF=YES operator commands. In addition, verify that the devices contained in the SSID are defined as PAV base devices and that the Symmetrix bin file settings are correct for HyperPAV and zHPF.

**SCF4369I**

DEV OPTIMIZE.PAV SSID ssss has nn consistency exempt device(s)

**Cause**
During zBoost PAV Optimizer device configuration processing, the indicated SSID (ssss) had nn consistency exempt devices. These are devices defined in the SCFINI SCF.DEV.OPTIMIZE(CONSISTENCY.EXEMPT.LIST device list. These devices do not undergo write suspend processing from Dell EMC consistency product solutions.

**Action**
None.

**SCF4370I**

DEV HyperPAV condition detected for device sdddd [:rsn]

**Cause**
During zBoost PAV Optimizer configuration processing, an issue was detected when trying to condition (set) or determine the HyperPAV state for the indicated device (sdddd). The device may be an alias or base depending on the condition.

The appended reason (rsn) further describes the issue:

- **HyperPAV alias detected BOXed during scan** — zBoost PAV Optimizer configuration is performing a full unbound alias scan and has detected that the indicated HyperPAV alias had been BOXed. These alias devices might or might not be part of the zBoost PAV Optimizer configuration. An attempt will be made to unbox the alias device. An additional SCF4370I message will be displayed to indicate the success or failure of this unbox processing. (Displayed only when SCF.DEV.OPTIMIZE.VERBOSE=YES is specified).

- **HyperPAV alias now UNBOXed during scan** — The indicated HyperPAV alias was successfully unboxed following HyperPAV alias detected BOXed during scan detection.

- **HyperPAV alias UNBOX failed during scan** — The indicated HyperPAV alias failed to unbox within the required unbox window (1 second) following HyperPAV alias detected BOXed during scan detection. If necessary, issue the QS QP,sdddd,UNBOX operator command.

- **UCBINFO HYPERPAVALIASES RC/RS xxxxxxxxx/yyyyyyyy** — Contact the Dell EMC Customer Support Center for technical assistance.

- **HyperPAV aliases are not defined** — HyperPAV alias devices were not defined for the indicated base device. (Displayed only when SCF.DEV.OPTIMIZE.VERBOSE=YES is specified).
- **HyperPAV alias is in incorrect state** — The indicated alias device is indicated as being non-HyperPAV even though the base device is defined as HyperPAV. (Displayed only when SCF.DEV.OPTIMIZE.VERBOSE=YES is specified).

- **HyperPAV alias cannot be found** — The indicated alias device cannot be located using UCBLOOK. This could indicate a device configuration issue.

- **HyperPAV alias detected as BOXed** — During specific alias processing using UCBINFO HYPERPAVALIASES processing, the indicated alias has been detected as BOXed. These alias devices are part of the zBoost PAV Optimizer configuration and must be unboxed before zBoost PAV Optimizer can utilize the devices. An additional SCF4370I message will be displayed to indicate the success or failure of this unbox processing. (Displayed only when SCF.DEV.OPTIMIZE.VERBOSE=YES is specified).

- **HyperPAV alias now UNBOXed** — The indicated HyperPAV alias was successfully unboxed following HyperPAV alias detected BOXed detection.

- **HyperPAV alias UNBOX failed during scan** — The indicated HyperPAV alias failed to unbox within the required unbox window (30 seconds) following HyperPAV alias detected BOXed detection. If necessary, issue the QS QP,sdddd,UNBOX operator command.

- **HyperPAV alias IOPM RC/RS xxxxxxxx/yyyyyyyy** — During alias unbox processing, the IBM IOPM service returned an error condition.

**Action**

Verify the alias state for the indicated device by issuing the DS QP,sdddd,UCB operator command. In addition, verify that the PowerMax/VMAX bin file settings for HyperPAV are correct for the indicated device and that the operating system configuration is correctly defining the alias and base devices. Where the alias is indicated as boxed or continues to be boxed, then additional DS QP,sdddd,UNBOX operator commands may be necessary to return the alias devices to the alias pool. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

---

**SCF4371I**

**OPTIMIZE:**

[** Optimize processing is not installed **]
[** Optimize processing is not active **]

**Cause**

The zBoost PAV Optimizer command could not be processed for the indicated reason. This message would generally only occur during EMCSCF startup prior to zBoost PAV Optimizer being initialized.

**Action**

If this message is issued during EMCSCF startup processing, then wait for EMCSCF to complete initialization. Otherwise, check for any EMCSCF startup issues. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.
OPTIMIZE DISPLAY GLOBAL [SUMMARY][EVENTS] [ - continued cc]:

[SummaryDisplay]
Global monitoring commenced on dd/mm/yy at hh:mm:ss
SMF recording is [OFF][ON, record ID is SMFRECID]
Last SMF interval was on dd/mm/yy at hh:mm:ss]
[PAV Optimization is OFF [(basic zHPF monitor only)]
[PAV Optimization is ON]
[PAV Optimization is READ only with passive WRITE]
[PAV Optimization is WRITE only with passive READ]
[PAV Optimization is passive]

PAV Optimization parameters in effect
-------------------------------------
SCF.DEV.OPTIMIZE.VERBOSE= [NO|YES]
SCF.DEV.OPTIMIZE.PAV.QUIPPOINT.GLOBAL= QuippointGlobal
SCF.DEV.OPTIMIZE.PAV.QUIPPOINT.DEVICE= QuippointDevice
SCF.DEV.OPTIMIZE.PAV.QUIPPOINT.LCU= QuippointLCU
SCF.DEV.OPTIMIZE.PAV.QUIPPOINT.LCU.PCT= QuippointLCUPCT
SCF.DEV.OPTIMIZE.PAV.TRACK.MIN.READ= TrackMinRead
SCF.DEV.OPTIMIZE.PAV.TRACK.MIN.WRITE= TrackMinWrite
SCF.DEV.OPTIMIZE.PAV.SPLIT.MAX.READ= SplitMaxRead
SCF.DEV.OPTIMIZE.PAV.SPLIT.MAX.WRITE= SplitMaxWrite

[SCF.DEV.OPTIMIZE.PAV.JOBNAME list:
Jobname Match count
-------- ------------
jobname
]
[SCF.DEV.OPTIMIZE.PAV.JOBPREFIX list:
Jobname Match count
-------- ------------
prefix
]

EventDisplay
Event Type Count
------------- -----------
Non-specific Logged e1
Non-specific e2
Read Logged e3
Read e4
Write Logged e5
Write e6
Build Error Logged e7
I/O Error Logged e8
]

Cause
The zBoost PAV Optimizer DISPLAY SUMMARY or DISPLAY EVENTS command was processed to show global status. If there are too many lines to display in a 32K buffer, the message will be written over multiple MLWTOs.

- SummaryDisplay — Shows the current SCFINI parameters in effect and when global operations were last performed.
  The jobname lists are optionally displayed where the SCF.DEV.OPTIMIZE.PAV.JOBNAME.LIST and/or SCF.DEV.OPTIMIZE.PAV.JOBPREFIX.LIST were specified along with the associated match count for each of these jobnames. Where a jobname match has occurred with both a value in SCF.DEV.OPTIMIZE.PAV.JOBNAME.LIST and SCF.DEV.OPTIMIZE.PAV.JOBPREFIX.LIST, the counters maintained and displayed will reflect the match on SCF.DEV.OPTIMIZE.PAV.JOBNAME.LIST only.
- **EventDisplay** — Shows the different event categories and their accumulated counts e1 to e8. Logged events have a record written to LOGREC are generally events of some importance. Unlogged events indicate a unimportant situation where zBoost PAV Optimizer has, for example, skipped the optimization of a channel program for some reason.

Build Error Logged and I/O Error Logged could indicate an issue in zBoost PAV Optimizer processing. If these counters reach a certain threshold then messages SCF4496E and/or SCF4497E could be displayed and processing will be disabled. If this occurs, contact the Dell EMC Customer Support Center for technical assistance. See also SCF4496E and SCF4497E.

**Action**
As indicated in each display above.

---

**SCF4373I**

---

**OPTIMIZE DISPLAY DEVICE [SUMMARY] [EVENTS] [ - continued cc]:**
- [Device start ssss cannot be > end eeee]
- [Device ssss is not defined for OPTIMIZE]
- [No devices defined for OPTIMIZE]
- [No devices in range sssss-eeeee are defined for OPTIMIZE]
- [No device in range sssss-eeeee in the active subchannel set are defined for OPTIMIZE]
- [PAVO skipped; not allowed by security]
- [MIRO skipped; not allowed by security]

**SummaryDisplay**

<table>
<thead>
<tr>
<th>Unit</th>
<th>SSID</th>
<th>Type</th>
<th>Optimized</th>
<th>Skipped</th>
<th>Track Min</th>
<th>Track Max</th>
<th>Split Min</th>
<th>Split Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>sdddd</td>
<td>ssss</td>
<td>Read Monitor</td>
<td>ooooooooooo</td>
<td>sssssssssssss</td>
<td>T1 T2 S1 S2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Read PAVO</td>
<td>ooooooooooo</td>
<td>sssssssssssss</td>
<td>T1 T2 S1 S2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Read PAVO Passive</td>
<td>ooooooooooo</td>
<td>sssssssssssss</td>
<td>T1 T2 S1 S2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[==]ttttt</td>
<td>Read MIRO</td>
<td>ooooooooooo</td>
<td>sssssssssssssss</td>
<td>T1 T2 --- ---</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[&lt;=]uuuuu</td>
<td>Read MIRO-S</td>
<td>ooooooooooo</td>
<td>sssssssssssssss</td>
<td>T1 T2 --- ---</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[ ]</td>
<td></td>
<td>Write Monitor</td>
<td>ooooooooooo</td>
<td>sssssssssssss</td>
<td>T1 T2 S1 S2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[ ]</td>
<td></td>
<td>Write PAVO</td>
<td>ooooooooooo</td>
<td>sssssssssssss</td>
<td>T1 T2 S1 S2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[ ]</td>
<td></td>
<td>Write PAVO-S</td>
<td>ooooooooooo</td>
<td>sssssssssssss</td>
<td>T1 T2 S1 S2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[ ]</td>
<td></td>
<td>Write PAVO Passive</td>
<td>ooooooooooo</td>
<td>sssssssssssss</td>
<td>T1 T2 S1 S2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[==]ttttt</td>
<td>Write MIRO</td>
<td>ooooooooooo</td>
<td>sssssssssssssss</td>
<td>T1 T2 --- ---</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[&lt;=]uuuuu</td>
<td>Write MIRO-S</td>
<td>ooooooooooo</td>
<td>sssssssssssssss</td>
<td>T1 T2 --- ---</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[ ]</td>
<td></td>
<td>Write MIRO Exempt</td>
<td>ooooooooooo</td>
<td>sssssssssssss</td>
<td>T1 T2 --- ---</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[ ]</td>
<td></td>
<td>Write MIRO SUSPEND</td>
<td>ooooooooooo</td>
<td>sssssssssssss</td>
<td>T1 T2 --- ---</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[==]ttttt</td>
<td>Write PAVO Exempt</td>
<td>ooooooooooo</td>
<td>sssssssssssss</td>
<td>T1 T2 --- ---</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[&lt;=]uuuuu</td>
<td>Write PAVO-S Exempt</td>
<td>ooooooooooo</td>
<td>sssssssssssss</td>
<td>T1 T2 --- ---</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[ ]</td>
<td></td>
<td>Write PAVO Non-PAV</td>
<td>ooooooooooo</td>
<td>sssssssssssss</td>
<td>T1 T2 --- ---</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[ ]</td>
<td></td>
<td>Write MIRO-S Non-PAV</td>
<td>ooooooooooo</td>
<td>sssssssssssss</td>
<td>T1 T2 --- ---</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[ ]</td>
<td></td>
<td>Write MIRO Suspension</td>
<td>ooooooooooo</td>
<td>sssssssssssss</td>
<td>T1 T2 --- ---</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** MIRO pending
**Note:** MIRO partially active on R1 only
**Note:** MIRO partially active on R2 only
**Note:** MIRO activation error
| Note : MIRO termination detected during IO
| Note : MIRO implicit termination detected by status
| Note : MIRO not active
| Note : MIRO not supported
| Note : MIRO validation incomplete
| Note : REFRESH FULL required to re-activate
|

```
[EventDisplay
Unit SSID Event Type Count
----- ---- ------------------- ------------
dddd ssss Non-specific Logged e1
      Non-specific e2
      Read Logged e3
      Read e4
      Write Logged e5
      Write e6
      Build Error Logged e7
      I/O Error Logged e8
]
```

[Note : Optimization DISABLED at device level due to error threshold]

[No devices processed]

[Devices processed : cc]

### Cause

The Optimizer DISPLAY DEVICE SUMMARY or DISPLAY DEVICE EVENTS command was processed for a range of devices. Where there are too many lines to display in a 32K buffer then the message will be written over multiple MLWTOs.

- A command parameter error is indicated by one of the following. Verify that EMCSCF has completed initialization, zBoost PAV Optimizer and/or Mirror Optimizer is enabled, the required level of security is set for the issuing user ID, and/or reissue the command with a valid device range:

```
Device start ssss cannot be > end eeee
Device ssss is not defined for OPTIMIZE
No devices defined for OPTIMIZE
No devices in range ssss-eeee are defined for OPTIMIZE
No device in range ssss-eeee in the active subchannel set are defined for OPTIMIZE
PAVO skipped; not allowed by security
MIRO skipped; not allowed by security
```

Each device is indicated by dddd and its SSID by ssss.

The total number of devices processed by the command is indicated in the summary total line count cc.

Where a device has been disabled due to too many build or I/O errors, the following line will be displayed. See message SCF4496E and SCF4497E for further details.

```
Note: Optimization DISABLED at device level due to error threshold
```

- **SummaryDisplay** - Displays a line for each device (ddddd) and the possible zBoost PAV Optimizer and Mirror Optimizer types to show how many channel programs were processed. Where a value is not applicable for the Type, a '---' filler is used:

  - Possible types include:
    - PAVO indicates a zBoost PAV Optimizer primary device.
- **PAVO-S** indicates a zBoost PAV Optimizer secondary device. These are target devices for Mirror Optimizer where zBoost PAV Optimizer is also enabled.

- **MIRO** indicates a Mirror Optimizer primary device.

- **MIRO-s** indicates a Mirror Optimizer secondary device.

- **000000000000** - The number of actual channel programs optimized where Read or Write type is indicated. Or it shows what could have been optimized where monitor or passive types are indicated. The Write Exempt line is displayed where the device is indicated as consistency exempt in SCF.DEV.OPTIMIZE.CONSISTENCY.EXEMPT. The value displayed in this case is the number of write-oriented I/Os processed through a consistency suspend window. This value is displayed as a 12-digit decimal value. Once the value exceeds 12 digits, the value will be scaled to a 1x10^12 value and suffixed by 'T'.

- **ssssssssssss** - The skipped value shown by sssssssssss indicates the number of channel programs skipped due to parameter settings. For example, skipped by jobname not matched to a value specified on SCF.DEV.OPTIMIZE.PAV.JOBNAME.LIST. If the Read non-PAV or Write non-PAV line is displayed, then the device is not defined as PAV, there are no configured aliases in the SSID (refer to message SCF4366W). No optimization is performed for such devices and only passive monitoring will be performed. These are always indicated as skipped. The Write SUSPEND line is displayed where the device had write-oriented I/O skipped due to a consistency suspend window. This value is displayed as a 12-digit decimal value. Once the value exceeds 12 digits, the value will be scaled to a 1x10^12 value and suffixed by 'T'.

- **cccccccccccc** - The total number of constituent I/O created by zBoost PAV Optimizer. This value is displayed as a 12-digit decimal value. Once the value exceeds 12 digits, the value will be scaled to a 1x10^12 value and suffixed by 'T'.

- **AAAAAAAAAAAA** - The total number of constituent I/O skipped due to the various QUIPOINTs being reached. This value is displayed as a 12-digit decimal value. Once the value exceeds 12 digits, the value will be scaled to a 1x10^12 value and suffixed by 'T'.

- **T1** - The minimum number of tracks processed in a channel program. This value is influenced by the SCF.DEV.OPTIMIZE.PAV.TRACK.MIN specification.

- **T2** - The maximum number of tracks processed in a channel program.

- **S1** - The minimum number of splits processed in a channel program.

- **S2** - The maximum number of splits processed in a channel program. This value is influenced by the SCF.DEV.OPTIMIZE.PAV.SPLIT.MAX specification.

- **ttttt** - Displayed for MIRO primary devices to indicate the secondary device of a Mirror Optimizer pair. ttttt is the target CUU associated with unit sxxxx.

- **uuuuu** - Displayed for MIRO secondary devices to indicate the primary device of a Mirror Optimizer pair. uuuuu is the source CUU associated with unit sxxxx.

The following notes indicate an unusual status:

- **Note : MIRO pending** - Mirror Optimizer is currently waiting on HyperWrite conditioning in the storage system. Once HyperWrite is active in
the storage system, Mirror Optimizer will become active. This status is normal during initial Mirror Optimizer processing on a device.

- **Note**: MIRO partially active on R1 only - During validation processing, it was noticed that HyperWrite is only active in the R1 storage system. This could indicate that another product has requested the termination of Mirror Optimizer, for example, during Consistency trip processing. Refer to other messages to determine the reason. Where indicated by the additional Note : REFRESH FULL required to re-activate, an F emcscf,DEV OPTIMIZER REFRESH FULL command might be required to re-activate Mirror Optimizer.

- **Note**: MIRO partially active on R2 only - During validation processing, it was noticed that HyperWrite is only active in the R2 storage system. Mirror Optimizer will attempt to activate HyperWrite on the R1 device. Where indicated by the additional Note : REFRESH FULL required to re-activate, an F emcscf,DEV OPTIMIZER REFRESH FULL command might be required to re-activate Mirror Optimizer.

- **Note**: MIRO activation error - An exception condition has occurred during HyperWrite activation. Refer to other messages to determine the reason. Exception conditions may be examined using the command F emcscf,DEV,OPTIMIZE DISPLAY DEVICE ALL FILTER EXCEPTION. If the reason cannot be determined, contact Dell EMC Technical Support.

- **Note**: MIRO termination detected during IO - An exception condition has occurred during Mirror Optimizer IO processing such that HyperWrite was detected as not active on the R1 or R2 during IO processing. This could indicate that another product has requested the termination of Mirror Optimizer, for example, during Consistency trip processing. Refer to other messages to determine the reason. Where indicated by the additional Note : REFRESH FULL required to re-activate, an F emcscf,DEV OPTIMIZER REFRESH FULL command might be required to re-activate Mirror Optimizer. Exception conditions may be examined using the command F emcscf,DEV,OPTIMIZE DISPLAY DEVICE ALL FILTER EXCEPTION. If the reason cannot be determined, contact Dell EMC Technical Support.

- **Note**: MIRO implicit termination detected by status - An exception condition has occurred during Mirror Optimizer REFRESH processing such that HyperWrite was detected as not active on the R1 or R2. This could indicate that another product has requested the termination of Mirror Optimizer, for example, during Consistency trip processing. Refer to other messages to determine the reason. Where indicated by the additional Note : REFRESH FULL required to re-activate, an F emcscf,DEV OPTIMIZER REFRESH FULL command might be required to re-activate Mirror Optimizer. Exception conditions may be examined using the command F emcscf,DEV,OPTIMIZE DISPLAY DEVICE ALL FILTER EXCEPTION. If the reason cannot be determined, contact Dell EMC Technical Support.

- **Note**: MIRO not active - An exception condition has occurred during Mirror Optimizer REFRESH processing such that the operating environment level was detected as too low on the R1 or R2. Exception conditions may be examined using the command F emcscf,DEV,OPTIMIZE DISPLAY DEVICE ALL FILTER EXCEPTION. If the reason cannot be determined, contact Dell EMC Technical Support.

- **Note**: MIRO not supported - An exception condition has occurred during Mirror Optimizer REFRESH processing such that the operating
environment level was detected as too low on the R1 or R2. Exception conditions may be examined using the command `emcsf,DEV,OPTIMIZE DISPLAY DEVICE ALL FILTER EXCEPTION`. If the reason cannot be determined, contact Dell EMC Technical Support.

- **Note**: MIRRO validation incomplete - An exception condition has occurred during Mirror Optimizer REFRESH processing such that the R2 was detected as unsuitable for Mirror Optimizer processing. Refer to other messages to determine the reason. Exception conditions may be examined using the command `emcsf,DEV,OPTIMIZE DISPLAY DEVICE ALL FILTER EXCEPTION`. If the reason cannot be determined, contact Dell EMC Technical Support.

- **Note**: REFRESH FULL required to re-activate - An exception condition has occurred during Mirror Optimizer processing such that the either the R1 or R2 was seen as inactive. This could indicate that another product has requested the termination of Mirror Optimizer, for example during Consistency trip processing. Refer to other messages to determine the reason. An `emcsf,DEV OPTIMIZER REFRESH FULL` command will be required to re-activate Mirror Optimizer. Exception conditions may be examined using the command `emcsf,DEV,OPTIMIZE DISPLAY DEVICE ALL FILTER EXCEPTION`. If the reason cannot be determined, contact Dell EMC Technical Support.

- **EventDisplay** - Shows for each device `dddd` the different event categories and their accumulated counts `e7` to `e8`. Logged events that have a record written to LOGREC are generally events of some importance. Unlogged events indicate a unimportant situation where zBoost PAV Optimizer or Mirror Optimizer has, for example, skipped the optimization of a channel program for some reason. Build Error Logged and I/O Error Logged could indicate an issue in zBoost PAV Optimizer or Mirror Optimizer processing. If these counters reach a certain threshold, then messages SCF4496E and/or SCF4497E could be displayed and processing will be disabled. If this occurs, contact the Dell EMC Customer Support Center for technical assistance. See also SCF4496E and SCF4497E. Only devices with events will be displayed. Only those events with non-zero values will be shown.

**Action**

As indicated in each display above.

---

**SCF4374I**

```
OPTIMIZE DISPLAY SSID [SUMMARY][EVENTS]
[ - continued cc]:
[SSID start ssss cannot be > end eeee]
[SSID ssss is not defined for OPTIMIZE]
[No SSIDs defined for OPTIMIZE]
[No SSIDs in range ssss-eee are defined for OPTIMIZE]
[SummaryDisplay]
+-----------------------------------+
|        PAV Base/Alias usage       |
|                                  |
--------------------------------+-------------------------+---------+
SSID  Controller   Devs   Alias |     Constituent I/O     |PerIO Max|
|    HPAV Qpt|   Total      Collision  |Uniq Dup |
--------- ------------- ---- ---- ---+------------ ------------+---- ----+
ssss cccccccc-cccc cdd hhh qqq|tttttttttttt ccccccccccc|---- wwww| |uuuuuuuuuu
ddddddddddddd|xxxx yyyy|[*ALIAS starved dd/mm/yy
hh:mm:ss]
[**ALIAS not configured]
```
[EventDisplay]

<table>
<thead>
<tr>
<th>SSID</th>
<th>Event Type</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>ssss</td>
<td>Non-specific Logged</td>
<td>e1</td>
</tr>
<tr>
<td></td>
<td>Non-specific</td>
<td>e2</td>
</tr>
<tr>
<td></td>
<td>Read Logged</td>
<td>e3</td>
</tr>
<tr>
<td></td>
<td>Read</td>
<td>e4</td>
</tr>
<tr>
<td></td>
<td>Write Logged</td>
<td>e5</td>
</tr>
<tr>
<td></td>
<td>Write</td>
<td>e6</td>
</tr>
<tr>
<td></td>
<td>Build Error Logged</td>
<td>e7</td>
</tr>
<tr>
<td></td>
<td>I/O Error Logged</td>
<td>e8</td>
</tr>
</tbody>
</table>

[No SSIDs processed]

[SSIDs processed : cc]

Cause

The zBoost PAV Optimizer DISPLAY SSID SUMMARY or DISPLAY SSID EVENTS command was processed for a range of SSIDs. If there are too many lines to display in a 32K buffer, the message will be written over multiple MLWTOs.

- A command parameter error is indicated by one of the following. Verify that EMCSCF has completed initialization, zBoost PAV Optimizer is enabled, and/or reissue the command with a valid SSID range.

```
SSID start ssss cannot be > end eeee
SSID ssss is not defined for OPTIMIZE
No SSIDs defined for OPTIMIZE
No SSIDs in range ssss-eeee are defined for OPTIMIZE
```

The total number of SSIDs processed by the command are indicated in the summary total line count cc.

- **SummaryDisplay** - Displays a line for each SSID (ssss) by base and alias to how many constituent I/Os were processed. Where a value is not applicable for the base or alias, a '---' filler is used.
  - `cccccccc-ccccc` - Storage system serial number.
  - `ddd` - Count of devices defined for PAV Optimization.
  - `hhh` - Count of HyperPAV alias devices. Set to zero if HyperPAV is not active.
  - `qqq` - HyperPAV alias devices QUIPOINT calculated from SCF.DEV.OPTIMIZE.PAV.QUIPPOINT.LCU.PCT. Set to zero if HyperPAV is not active.
  - `tttttttttttt` - The total number of constituent I/O that executed on the base device. This value is displayed as a 12 digit decimal value. Once the value exceeds 12 digits, the value will be scaled to a 1x10^12 value and suffixed by 'T'.
  - `cccccccccccccc` - Number of times more than 1 constituent I/O executed on the same base device. A large number here could indicate that there are not enough alias devices defined in the LCU, or the QUIPOINT.LCU values are too large or not set, or HyperPAV is not active. This value is displayed as a 12 digit decimal value. Once the value exceeds 12 digits, the value will be scaled to a 1x10^12 value and suffixed by 'T'.
  - `uuuuuuuuuuuu` - The total number of constituent I/O that executed on an alias device. This value is displayed as a 12 digit decimal value. Once the value exceeds 12 digits, the value will be scaled to a 1x10^12 value and suffixed by 'T'.

SCF4374I 617
- **ddddddddddd** - Number of times more than 1 constituent I/O executed on the same alias device. A large number here could indicate that there are not enough alias devices defined in the LCU, or the QUIPOINT.LCU values are too large or not set, or HyperPAV is not active. This value is displayed as a 12 digit decimal value. Once the value exceeds 12 digits, the value will be scaled to a 1x10\(^{12}\) value and suffixed by 'T'.

- **wwww** - Maximum per I/O duplication to the base device (highest constituent collision on the base).

- **yyyy** - Maximum per I/O duplication to the same alias device (highest constituent collision on any 1 alias).

- **xxxx** - Maximum per I/O unique usage of alias devices. This would normally be the number of alias devices defined in the LCU.

- **ALIAS starved** dd/mm/yy hh:mm:ss - zBoost PAV Optimizer monitors alias usage for each constituent I/O. If no alias devices are used on a number of consecutive I/Os, then ALIAS starvation is recognized. See message SCF4493W for further information.

- **ALIAS not configured** - zBoost PAV Optimizer will skip all split processing as there are no alias devices configured for this SSID. See message SCF4366W for further information.

- **EventDisplay** - Shows for each SSID ssss the different event categories and their accumulated counts e1 to e8. Logged events have a record written to LOGREC are generally events of some importance. Unlogged events indicate a unimportant situation where zBoost PAV Optimizer has, for example, skipped the optimization of a channel program for some reason.

  Build Error Logged and I/O Error Logged could indicate an issue in zBoost PAV Optimizer processing. If these counters reach a certain threshold, then messages SCF4496E and/or SCF4497E could be displayed and processing will be disabled. If this occurs, contact the Dell EMC Customer Support Center for technical assistance. See also SCF4496E and SCF4497E.

  Only SSIDs with events will be displayed. Only those events with non-zero values will be shown.

**Action**

As indicated in each display above.

### SCF4375I

**OPTIMIZE DISPLAY CONSISTENCY:**

PAV Optimizer processing is currently [resumed|suspended] at dd/mm/yy hh:mm:ss

[Suspend window is set to never expire

[Suspend window is set to expire at dd/mm/yy hh:mm:ss]

<table>
<thead>
<tr>
<th>Type</th>
<th>Status</th>
<th>Suspend</th>
<th>Last Suspend</th>
<th>Last Resume</th>
</tr>
</thead>
</table>

**Cause**

The zBoost PAV Optimizer DISPLAY CONSISTENCY command was processed to show global consistency status.

The global status for consistency is indicated by the display header lines. The current status and, where currently suspended, the suspend window timeout will be indicated.
Where the suspend is from an operator command, then the suspend window will never timeout.

- **ssssssss** - Consistency status for each consistency type:
  - **-- Never suspended --** - Consistency has not been processed for this type since zBoost PAV Optimizer was initialized.
  - **Suspended** - zBoost PAV Optimizer is currently write-suspended by this consistency type.
  - **Resumed** - zBoost PAV Optimizer is currently write-resumed by this consistency type.
- **ccccccc** - The count of active consistency suspends. While > 0, this consistency type has suspended zBoost PAV Optimizer write processing.

**Action**
None.

**SCF4376I**

**OPTIMIZE RESET:**

[Cannot perform RESET due to aaaaa active requests
| RESET allowed with aaaaa active requests due to FORCE option]
[SMF data written | SMF data not logged RC/RS xxxxxxxx/yyyyyyyy]
[Optimization was DISABLED due to error at the global level. Now RESET.]
[Optimization was DISABLED due to error for device dddd. Now RESET.][More...]
[Optimization was DISABLED due to error for SSID ssss. Now RESET.][More...]

Devices RESET : r1, active : a1
SSIDs RESET : r2, active : a2
JOBLIST RESET : r3

**Cause**
The zBoost PAV Optimizer RESET command was processed.

Additional lines will be added to indicate the status of the RESET processing:

- Cannot perform RESET due to aaaaa active requests — The RESET processing quiesces active work and waits for a short period of time before performing the reset. This is done in order to create a consistent set of data for SMF processing and to create a consistent zeroing of all counters across the global, device and SSID statistics records. This message indicates that zBoost PAV Optimizer cannot reset counters as there are aaaaa active requests. If required, this condition can be bypassed using the RESET FORCE option.
- RESET allowed with aaaaa active requests due to FORCE option — The RESET FORCE option was requested with zBoost PAV Optimizer processing. Processing continues.
- SMF data written — The SMF data for zBoost PAV Optimizer was successfully written. This is done prior to the counters being reset.
- SMF data not logged RC/RS xxxxxxxx/yyyyyyyy — The SMF data for zBoost PAV Optimizer was not successfully written. Contact the Dell EMC Customer Support Center for technical assistance.
- [Optimization was DISABLED due to error at the global level. Now RESET.]
  [Optimization was DISABLED due to error for device dddd. Now RESET.][More...]
zBoost PAV Optimizer processing that was previously disabled due to prior detected errors is now reset to enable zBoost PAV Optimizer globally, for the listed devices, and the listed SSIDs. If there are too many devices and/or SSIDs to be displayed in a 32K display buffer, the More... indicator will be shown.

Summary counts of the number of devices, SSIDs and JOBLIST records affected by the reset are indicated by r1-r3. The active counts a1 and a2 indicate how many of the devices and SSIDs were currently enabled for zBoost PAV Optimizer processing.

Action
None.

SCF4377I

OPTIMIZE LOG:
[Optimization event table is not installed]
[EVENTS start sss cannot be > end eee]
Explicit logged events:[xxx[-yyy],...]|[ None explicitly set]
Total : ttttt

Cause
The zBoost PAV Optimizer LOG EVENTS command was processed.
A command parameter error is indicated by one of the following. Verify that EMCSCF has completed initialization, zBoost PAV Optimizer is enabled, and/or reissue the command with a valid events range.

Optimization event table is not installed
EVENTS start sss cannot be > end eee

The current explicit events are displayed as a ranged list xxx[-yyyy]. If there are no remaining explicit events, this is indicated by None explicitly set. If there are explicit events set, then the total of these events is indicated by ttttt.

Action
None.

SCF4378I

OPTIMIZE ENABLE:
[ENABLE processing scheduled]
[ENABLE already requested by command]

Cause
The zBoost PAV Optimizer ENABLE command was processed:
- ENABLE processing scheduled — Indicates that zBoost PAV Optimizer processing will be asynchronously enabled. Other messages will be generated to indicate the success or otherwise of this processing.
• **ENABLE already requested by command** — A prior ENABLE command was already issued.

**Action**

None.

---

**SCF4379I**

**OPTIMIZE DISABLE:**

[DISABLE processing scheduled]

[DISABLE already requested by command]

**Cause**

The zBoost PAV Optimizer DISABLE command was processed:

• **DISABLE processing scheduled** — Indicates that zBoost PAV Optimizer processing will be asynchronously disabled. Other messages will be generated to indicate the success or otherwise of this processing.

• **DISABLE already requested by command** — A prior DISABLE command was already issued.

**Action**

None.

---

**SCF4380I**

**OPTIMIZE SUSPEND:**

SUSPEND initiated through nnn controllers

[ctrl (ccuu)]...

[Optimization consistency is not installed]

[Could not determine gatekeeper devices]

[Invalid gatekeeper list returned]

[Invalid gatekeeper controller list]

[Gatekeeper could not be located]

<DEV OPTIMIZE CONSISTENCY command output>

**Cause**

The zBoost PAV Optimizer SUSPEND command was processed through the nnn listed storage systems (up to 25 storage systems will be listed). This command affects every currently active zBoost PAV Optimizer across all LPARs with connectivity to the same storage systems. zBoost PAV Optimizer will not optimize write-oriented channel programs until a corresponding RESUME command is issued. See also SCF4381I.

Additional information will be presented where processing could not be performed:

• Optimization consistency is not installed — EMCSCF is in initialization. Wait until SCF has completed initialization prior to issuing commands.

• Where an issue has been detected in the processing of EMCSCF gatekeeper devices, additional information will be presented:
  - Could not determine gatekeeper devices
  - Invalid gatekeeper list returned
  - Gatekeeper could not be located
To show the current zBoost PAV Optimizer consistency state, the multi-line command output for DEV OPTIMIZE CONSISTENCY is appended to the SCF4380I output. Refer to message SCF4375I for further information.

This command does not affect zBoost PAV Optimizer started after the command is issued. As such, a subsequent SUSPEND will need to be issued to affect these, if required.

**Action**

If one of the gatekeeper messages is presented, verify that EMCSCF has correct connectivity and that gatekeepers are correctly defined in the SCFINI file. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

### SCF4381I

```
OPTIMIZE RESUME:
RESUME initiated through nnn controllers
[ ctrl (ccuu)]...

[Optimization consistency is not installed]
[Could not determine gatekeeper devices]
[Invalid gatekeeper list returned]
[Invalid gatekeeper controller list]
[Gatekeeper could not be located]
<DEV OPTIMIZE CONSISTENCY command output>
```

**Cause**

The zBoost PAV Optimizer RESUME command was processed through nnn storage systems (up to 25 storage systems will be listed). This command affects every currently active zBoost PAV Optimizer across all LPARs with connectivity to the same storage systems. Where no other consistency type has an outstanding SUSPEND, zBoost PAV Optimizer processing will be resumed.

See also SCF4380I.

**Action**

Refer to SCF4380I.

### SCF4382I

```
DEV SCF.DEV.OPTIMIZE.JOBPREFIX=jjjjjjjjjj dropped due to more generic kkkkkkkk
```

**Cause**

During SCFINI parameter processing, the JOBPREFIX specified by jjjjjjjjj was dropped. This occurred because a more generic JOBPREFIX specified by kkkkkkkk was also specified. This is done as all matches to kkkkkkkk are also matches to jjjjjjjjj.

**Action**

None.
DEV cannot determine zHPF capabilities for device dddd[:rsn]

Cause
During zBoost PAV Optimizer configuration processing, the zHPF capabilities could not be determined for the indicated device (ddddd) for the indicated rsn:

- I/O Timeout — The I/O to determine the device capabilities timed out.
- DOIO RC/RS/ERS xxxxxxxx/yyyyyyyy/zzzzzzzz — The I/O to determine the device capabilities failed for some other reason.
- CHECK_PATCH RC xxxxxxxx,SAIO RC/RS/RCX rr/ss/xxxxxxxx — The I/O to determine the symmetrix patch level failed for some other reason.

If there are other devices belonging to the same SSID, then the processing might be retried on those devices. If no devices in the same SSID can be used to determine the zHPF capability, then the prior known value will be used. If no value is available, then all devices on the SSID can only be in basic or passive monitoring mode and message SCF4384W will be displayed.

Action
Check the device to make sure it is accessible. Once the condition is corrected, issue the F EMCSCF,INI,REFRESH command to retry the zBoost PAV Optimizer configuration processing. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

DEV OPTIMIZE.type SSID ssss does not have the required zHPF capability: [action]

Cause
During configuration processing of the indicated optimizer type, the zHPF capabilities of the indicated SSID (ssss) do not meet the minimum requirements and active processing of the indicated optimizer type will not be allowed.

The included action indicates the action taken by the optimizer:

- Reset to passive monitoring — Indicates that an active optimizer setting specified by the SCF.DEV.OPTIMIZE.type parameter cannot be used and has been changed to only allow passive monitoring.
- Passive monitoring allowed — Indicates that the passive monitoring specified by SCF.DEV.OPTIMIZE.type=PASSIVE is acceptable.
- Basic monitoring allowed — Indicates that the basic monitoring specified by SCF.DEV.OPTIMIZE.type=MONITOR is acceptable.

Action
Make sure that the minimum zHPF level as required by indicate optimizer type is installed on the storage system. If the storage system does not have the minimum support level, the cached features for the storage system might not have been refreshed by z/OS. Issue the DS QD,SSID=ssss,VALIDATE command to update.
the z/OS known features and use the `F emcscf,INI,REFRESH` command to initiate optimizer configuration processing.

### SCF4385W

```
DEV OPTIMIZE.PAV SSID sssss zOS configured alias count aaa mismatches
controller count ccc
```

**Cause**
During zBoost PAV Optimizer configuration processing, the count of configured aliases for the indicated SSID (sssss) mismatches between the z/OS count aaa and storage system count ccc. This could indicate a HyperPAV transition issue or a configuration issue.

If the count mismatch was indicated during a HyperPAV transition, then the z/OS view might not be accurate as all alias devices might not have been detected at the time the zBoost PAV Optimizer configuration processing was being performed.

**Action**
Issue the `D M=DEV(xxxx)` command to any device in the SSID to determine the current HyperPAV configured alias count. If a different value is displayed compared to the z/OS count aaa in this message, then issue the `F EMCSFC,INI,REFRESH` command to allow zBoost PAV Optimizer to redetermine the counts. Otherwise, verify the Symmetrix bin file settings and z/OS IODF configuration to verify the alias configuration. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

### SCF4386W

```
DEV cannot determine SRDF pairing using decie ccuu: API_error_rsn
```

**Cause**
An error was detected during the determination of the Mirror Optimizer SRDF pairing for the indicated ccuu in the active subchannel set. `API_error_rsn` indicates the API routine and return codes associated with the error.

**Action**
Verify connectivity to the indicated device using, for example, `DS P, ccuu`. If the reason for failure cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

### SCF4387W

```
DEV cannot determine SRDF pairing using ctrl cccccccc-ccccc: API_error_rsn
```

**Cause**
An error has been detected during the determination of the Mirror Optimizer SRDF pairing for the indicated storage system cccccccc-ccccc. `API_error_rsn` indicates the processing API routine and internal diagnostic codes associated with the error.
Action
A corresponding message SCF4386W may be issued for each ccuu attempted. Refer to message SCF4386W for further details. If the reason for failure cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

SCF4388W

DEV SRDF pairing not valid for device_type device sccuu
[(partner_sccuu)]: reason

Cause
The indicated device, sccuu, is not applicable for Mirror Optimizer processing for the indicated reason. The device is either the R1 or R2 depending on where the error has been detected. Where the partner device has been determined, and not identified in the reason, this will be shown as (partner_sccuu).

device_type indicates the type of the device:

- R1: sccuu is the R1 device.
- R2: sccuu is the R2 device.
- primary: sccuu is defined as the primary device; however, it is not an SRDF/S R1.
- secondary: sccuu was determined to be the secondary device; however, it is not an SRDF/S R2.

The possible reason messages are:

Concurrent SRDF/S on SymDV#/RDFGrp symdv#/srdfgrp and symdv#/srdfgrp
The requested device is defined as concurrent SRDF/S (R11) and both mirrors are TR (ready on the link).

Incomplete validation, reset to passive monitoring
During validation of the R2 mirror an error was detected. The R1 is reset to passive monitoring. Additional SCF4388W messages may appear, indicating the reason for this.

is cascaded (R21)
The indicated device is cascaded.

is not SRDF/S R1 [(PPRC defined)]
The requested device is not a SRDF/S R1 device. If the device has been defined as PPRC, this is added to the reason.

is not SRDF/S R2
The indicated device was resolved as the R2 partner to a specified R1 device. However, during additional verification the device is not an SRDF/S R2. This could indicate an internal error.

R1 device not defined for SymDV#/RDFGrp/Ctrl symdv#/srdfgrp/serial#
The SRDF/S R1 device was resolved to the indicated symdv#/srdfgrp/serial#. However, the device was not defined to SCF. An P emcsge,DEV,RESCAN command may be required.
R2 and R1 device sccuu do not point to each other. R1 sccuu expected

The indicated device was resolved as the R2 partner to a specified R1 device. However, the SCF configuration returned an unexpected device. Verify that the SCF configuration is valid and up to date. An `emscsf,DEV,REFRESH` command may be required.

R2 device not defined for SymDV#/RDFGrp/Ctrl symdv#/srdfgrp/

serial#

The SRDF/S R2 device was resolved to the indicated `symdv#/srdfgrp/serial#`. However, the device was not defined to SCF. Either the device is not defined to the LPAR or has been excluded from the SCF configuration. Verify that the device has not been excluded from SCF and if the device is in an alternate subchannel set, verify that the SCF.DEV.MULTSS=YES parameter has been specified.

RDFGrp srdfgrp cannot be resolved

The partner SRDF group could not be resolved to a storage system serial number. Additional SCF4386W and SCF4387W messages may have been issued when attempting to access the device.

SRDF/S R2 has nnnnnn invalid tracks on SymDV#/RDFGrp symdv#/srdfgrp

The R2 device has `nnnnnn` invalid tracks owed from the R1.

SRDF/S R1 mirror not found

The indicated device was resolved as the R2 partner to a specified R1 device. However, during additional verification the device is not an SRDF/S R2. This could indicate an internal error.

SRDF/S R2 mirror not found

An SRDF/S R2 device could not be located. Additional SCF4388W messages may appear, indicating the reason for this.

TNR SymDV#/RDFGrp symdv#/srdfgrp

The R1 to R2 relationship, identified by the R1 `symdv#/srdfgrp` mirror, is currently TNR (suspended). Where the R1 is defined as concurrent SRDF/S (R11) and the other mirror is SRDF/S TR (ready on the link), Mirror Optimizer will consider that mirror.

Valid SRDF/S R1 mirror not found

The indicated device was resolved as the R2 partner to a specified R1 device. However, during additional verification the device is not an SRDF/S R2. This could indicate an internal error.

Valid SRDF/S R2 mirror not found

A valid SRDF/S R2 device could not be located. Additional SCF4388W messages may appear, indicating the reason for this.

The indicated device is ignored for Mirror Optimizer processing.

Action

Verify the state of the SRDF/S device pairs using SRDF Host Component and the definition of the device using the SCF DISPLAY DEVICE commands. If the reason for failure cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.
DEV SRDF pairing found for device sccuu: reason

**Cause**
Debugging message output when indicating that an SRDF pairing was located for the indicated sccuu. The reason indicates the R1 or R2 device pairing details:

- R1 device sccuu resolved for symdv#/srdfgrp/serial#
- R2 device sccuu resolved for symdv#/srdfgrp/serial#

**Example 1** Action
None.

DEV OPTIMIZE.MIR activation failed: reason

**Cause**
During Mirror Optimizer storage system conditioning, a failure was detected as indicated by reason:

**Clear HyperWrite IO RC/RS/ERS rc/rs/ers, DATA3E dddddddd device sccuu**

In some circumstances, Mirror Optimizer requires the current HyperWrite state for a device in the storage system to be cleared prior to performing an activate request. This message is displayed when the clear processing fails. dddddddd is an internal diagnostic code.

**DEVICE_STATUS RC xxxxxxxxx, SAIO RC/RS/RCX rc/rs/rcx, [device sccuu][UCBerr uuuuuuu]**

An API query function for determining a device status failed. xxxxxxxxx and rc/rs/rcx are internal diagnostic codes. The device or UCB associated with the error are indicated by sccuu or uuuuuuu.

**HyperWrite status error eeeeeeee, SymDV# symdv#(ddddddd), Ctrl ccccccc-ccccc**

A status request returned an error condition for the indicated device number. eeeeeeee and dddddddd are internal diagnostic codes.

**HyperWrite status IO RC/RS/ERS rc/rs/ers, DATA3E dddddddd device sccuu**

A status request to clear or activate HyperWrite in the storage system has failed. dddddddd is an internal diagnostic code.

**Request HyperWrite IO RC/RS/ERS rc/rs/ers, DATA3E dddddddd device sccuu**

The request to activate HyperWrite in the storage system has failed. dddddddd is an internal diagnostic code.
**SCF4391W**

*DEV OPTIMIZE.MIR activation failed for device sccuu: reason*

**Cause**
During Mirror Optimizer storage system conditioning, a failure was detected during activation processing:

- **Cannot determine HyperWrite state**
  - Internal API call failed.
- **DEVICE_STATUS API call failed**
  - Internal API call failed.
- **Did not change to expected HyperWrite state**
  - The HyperWrite activation processing completed successfully. However, the change of state to allow Mirror Optimizer did not appear to transition correctly.

**Action**
This message indicates an unexpected internal error condition. Additional SCF4390W message might also appear that provides further explanation of the issue. Contact the Dell EMC Customer Support Center for technical assistance.

**SCF4392I**

*DEV OPTIMIZE.MIR activation completed for R1/R2 device pair ccuu(volser)/ccuu (volser)*

**Cause**
The Mirror Optimizer was activated for the indicated SRDF pair. Here ccuu represents the z/OS device number, and volser represents the volume serial number.

**Action**
None.

**SCF4393W**

*DEV OPTIMIZE.MIR status cannot be determined for ctrl cccccc-cccc: reason*

**Cause**
During Mirror Optimizer storage system conditioning, a failure was detected during activation processing:

- **DEVICE_STATUS RC xxxxxxxx, SAIO RC/RS rc/rs, device sccuu**
  - An API query function for determining a device status failed. xxxxxxxx and rc/rs are internal diagnostic codes. The device or UCB associated with the error are indicated by sccuu.
RC/RS/RCX  rc/rs/rcx, device sccuu

An API query function for determining a device status failed. rc/rs/rcx are internal diagnostic codes. The device or UCB associated with the error are indicated by sccuu.

Action
This message indicates an unexpected internal error condition. Additional SCF4390W message may also appear providing further explanation of the issue. Contact the Dell EMC Customer Support Center for technical assistance.

SCF4394I

DEV OPTIMIZE.MIR  nnnnnnnn device pairs are pending active

Cause
Mirror Optimizer storage system conditioning has initiated HyperWrite activation for the indicated number (nnnnnnnn) of devices. Message SCF4392I appears as device pairs completed initialization. This message is displayed at regular intervals while there are device pairs in a pending active state.

Action
None.

SCF4395I

DEV HyperWrite state change occurred on controller cccccc-cccc

Cause
Indicates that the Mirror Optimizer monitor has detected some change to the HyperWrite state on the indicated storage system. Other messages may appear that indicate the extent of the change.

Action
None.

SCF4396I

OPTIMIZE HELP:
OPTimize
   Display [SUMMARY]
-------

Display CONSistency [SUMMARY]
-------

Display DEVice ([s]xxxx{-[t]yyyy}|ALL
   [PAVoptimizer|MIvoptimizer]
   [SUMMARY|EVENTS]
-------
   [FILTER
   [OPTimized
   -------
   |NOTOPTimized

ResourcePak Base
DISPLAY EVENTs [SUMMARY]

--------

DISPLAY SSID {xxxx[-yyy]}|ALL
[SUMMARY|EVENTS]

--------

ENABLE|DISABLE [PAVoptimizer|MIRoptimizer]
HELP
LOG EVENTs (xxx[-yyy]) [ON|OFF]|NONE
REFRESH [FULL|UPDATE|REPLACE]

Cause
Output from an OPTimize HELP command to show the valid command syntax.

Action
None.

SCF4397E

DEV OPTIMIZE.SELECT.DSN=dsn[(member)] DYNALLOC failed reason

Cause
During optimizer initialization, the dsn specified by OPTIMIZE.SELECT.DSN and, optionally, OPTIMIZE.SELECT.MEMBER could not be allocated. reason contains the DYNALLOC return information:

R15=dynalloc RC, ERR=S99ERROR, INFO=S99INFO

Where available, DYNALLOC return information follows to additionally describe the error.

Action
Verify the dataset and, where specified, the member specified by the OPTIMIZE.SELECT.DSN and OPTIMIZE.SELECT.MEMBER parameters are accessible to the SCF address space. Refer to the returned DYNALLOC return code information and additional DYNALLOC messages. The DYNALLOC S99ERROR and S99INFO codes are described in detail in IBM Authorized Assembler Services Guide. The SCF operator command P emcscf,DEV OPTIMIZE REFRESH [UPDATE|REPLACE]
command may be specified to re-evaluate the parameters. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

**SCF4398I**

DEV SELECT logical processing initiated using DSN=dsn[(member)]

**Cause**
Optimizer SELECT processing has been initiated as a result of SCF startup processing or as a result of the `F emcscf,DEV OPTIMIZE REFRESH [UPDATE|REPLACE]` operator command. Additional messages from the SELECT processing follow. Message SCF4399I appears when the operation completes.

**Action**
None.

**SCF4399I**

DEV SELECT logical processing completed RC=xxxxxxxxx

**Cause**
Optimizer SELECT processing has completed. The RC displayed as xxxxxxxx is the highest return code generated by SELECT processing. Refer to any additional messages output as a result of SELECT processing.

**Action**
None.

**SCF4402E**

Module module-name could not be located

**Cause**
The required module module-name is missing from the ResourcePak base load library. Processing continues but some ResourcePak features might not be activated.

**Action**
Verify the ResourcePak base install, check the contents of the ResourcePak library to ensure the required module is available and retry. If the problem persists, contact the Dell EMC Customer Support Center for technical assistance.

**SCF4491W**

(emcscf) MIR Optimization no longer active for R1/R2 device pair [*]r1_sccuu(r1_symdv#)/[*]r2_sccuu(r2_symdv#)

**Cause**
During Mirror Optimizer I/O processing, the R1/R2 device pair became unavailable for Mirror Optimizer processing and I/O processing will precede using SRDF/S only.
This could indicate a change in state of the device pair as a result of SRDF Host Component or Consistency Groups processing. An '*' is indicated next to the device where this was detected.

**Action**
Examine other messages in the LPAR system log to determine if any SRDF Host Component or Consistency Groups actions have been performed.
Verify that the device pair is still in an SRDF/S relationship using SRDF Host Component query commands.
All devices with an exception state including those that have been detected as no longer active due to this reason can be examined using the `emcscf,DEV OPTIMIZE DIS DEV ALL MIROEXCEPTION` command. Where indicated by this message output, an `emcscf,DEV OPTIMIZE REFRESH FULL` command is required for Mirror Optimizer to re-evaluate devices in an exception state.
If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

**SCF4493W**

`(scfname)` PAV Optimization ALIAS starvation detected for SSID `ssss` by device `dddd`

**Cause**
zBoost PAV Optimizer processing has detected HyperPAV alias starvation for the indicated SSID `(ssss)`. The SCF detecting the issue is indicated by `scfname` and the detecting device `dddd`.
zBoost PAV Optimizer monitors all alias usage for each optimized I/O. Starvation occurs when no alias devices were available for selection for a number of consecutive optimized I/O. The issuance of this message can indicate that an error has occurred at either the PowerMax/VMAX or operating system level such that no alias devices are available to devices contained in the indicated SSID.
This message will be issued at 30 second intervals while the starvation persists. During this 30 second interval, zBoost PAV Optimizer will skip split processing for the affected SSID. The number of skipped channel programs is accumulated and may be displayed using the `DEV,OPTIMIZE DISPLAY DEVICE ALL FILTER SKIPPED` command. Refer to message SCF4373I.

**Action**
Issue the `DEV OPTIMIZE DISPLAY SSID ALL` command to determine all SSIDs with alias starvation. Where necessary, the HyperPAV alias pool might need to be reinitialized using the `V dddd,ONLINE,UNCOND` operator command or SETIOS HYPERPAV NO/YES command sequence.
In addition, verify that the indicate SSID does not contain FBA gatekeeper devices. z/OS does not properly support FBA devices mixed with CKD in the same SSID in a HyperPAV configuration. In this instance, alias starvation can occur, for example, following an `F ANTAS000,REDISCOVER` command or following a `VARY ONLINE` command of an FBA device. In this case, a `HYPERPAV NO/YES` sequence will be required to reinitialize the alias device pool. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.
SCF4494I

(scfname) PAV[]+MIR] Optimization is now write suspended by ConsistencyType

Cause

zBoost PAV Optimizer and, where indicated, Mirror Optimizer processing has been suspended for write processing by the indicated ConsistencyType. During the suspend period, zBoost PAV Optimizer and, where indicated, Mirror Optimizer will not optimize write-oriented channel programs except for devices where consistency exemption has been requested.

Note that the ConsistencyType might differ in SCF4494I and SCF4495I as multiple consistency mechanisms might be suspended concurrently. The ConsistencyType indicated in these messages is the one resulted in the actual change of suspend state.

A corresponding SCF4495I message will be displayed when processing is resumed.

This message is only displayed when SCF.DEV.OPTIMIZE.CONSISTENCY.VERBOSE.ConsistencyType=YES is specified.

Action

None.

SCF4495I

(scfname) PAV Optimization is now write resumed by ConsistencyType

Cause

zBoost PAV Optimizer processing has been resumed for write processing by the indicated ConsistencyType.

Note that the ConsistencyType might differ in SCF4494I and SCF4495I as multiple consistency mechanisms might be suspended concurrently. The ConsistencyType indicated in these messages is the one that resulted in the actual change of suspend state.

This message is only displayed when SCF.DEV.OPTIMIZE.CONSISTENCY.VERBOSE.ConsistencyType=YES is specified.

Action

None.

SCF4496E

(scfname) PAV Optimization has been disabled for device ddddd due to error threshold ttt

Cause

zBoost PAV Optimizer processing has been disabled for the indicated device (dddd) and SCF (scfname) after detecting ttt errors. The actual errors are captured in LOGREC records which may be requested by the Dell EMC Customer Support Center if error diagnosis is required.
This does not necessarily indicate an issue in zBoost PAV Optimizer processing but does indicate a condition that zBoost PAV Optimizer considers problematic. Devices that are disabled may be displayed using the DEV OPTIMIZE DISPLAY DEVICE ALL EVENTS command.

**Cause**

zBoost PAV Optimizer processing has been disabled globally (all devices) for the indicated SCF (scfname) after detecting ttt errors. The actual errors are captured in LOGREC records which may be requested by the Dell EMC Customer Support Center if error diagnosis is required.

This does not necessarily indicate an issue in zBoost PAV Optimizer processing but does indicate a condition that zBoost PAV Optimizer considers problematic. Action

Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have LOGREC and syslog available. zBoost PAV Optimizer will remain disabled for the indicated device until a DEV OPTIMIZE RESET command is entered.
Action
Verify that the indicated DD is allocated to the job and has the correct DCB attributes
(PS, LRECL=80). Refer to the Dell EMC Mainframe Enablers ResourcePak Base for
z/OS Product Guide for further details. If the reason for the failure cannot be
determined, contact the Dell EMC Customer Support Center for technical assistance.

SCF4502E

DEV OPTIMIZE unknown action xx

Cause
An action was requested that is not supported. This can indicate an internal error.
Processing is terminated with RC=08.

Action
Examine other messages to determine the reason for failure. If the reason cannot be
determined, contact the Dell EMC Customer Support Center for technical assistance.

SCF4503E

DEV OPTIMIZE duplicate VOLUME_LIST name xxxxxxxxx

Cause
A duplicate VOLUME_LIST name was defined in the same sequence.
Processing is terminated with RC=08.

Cause
Either remove the duplicate VOLUME_LIST definition or change the name to be unique.

SCF4504W

DEV OPTIMIZE duplicate VOLSER vvvvvv skipped for VOLUME_LIST xxxxxxxxx

Cause
The same VOLSER indicated by vvvvvv was specified in the same VOLUME_LIST. The
duplicate VOLSER is ignored.
Processing continues with RC=04.

Action
If a different VOLSER was intended then change the VOLUME_LIST and rerun.

SCF4505W

DEV OPTIMIZE duplicate STORGRP ssssssss skipped for VOLUME_LIST xxxxxxxxx

Cause
The same SMS storage group indicated by ssssssss was specified in the same
VOLUME_LIST. The duplicate storage group is ignored.
Processing continues with RC=04.

**Action**
If a different storage group was intended then change the VOLUME_LIST and rerun.

### SCF4506W

**Message**
DEV OPTIMIZE STORGRP ssssssss cannot be processed: reason

**Cause**
The SMS storage group ssssssss could not be processed for the indicated reason: reason.

- **no SMS results area returned** — The SMS interface service did not return any data for the storage group. If a different storage group was intended then change the VOLUME_LIST and rerun. If the reason for the message cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

- **SMS service RC/RS xxxxxxxx/yyyyyyyy** — The SMS interface service completed with the indicated return code and reason code indicating that the storage group could not be processed. If a different storage group was intended then change the VOLUME_LIST and rerun. If the reason for the message cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

- **storage group not found** — The SMS storage group could not be found. If a different storage group was intended then change the VOLUME_LIST and rerun.

The storage group is ignored and processing continues with RC=04.

**Action**
Refer to the actions for each reason.

### SCF4507E

**Message**
DEV OPTIMIZE no SELECT list supplied

**Cause**
No SELECT list was found.

Processing is terminated with RC=08.

**Action**
A SELECT list is required for processing. Define the SELECT list and rerun.

### SCF4508E

**Message**
DEV OPTIMIZE internal EXTENTS error, empty work area (xxxxxxxxx) for data set dsn

**Cause**
While processing the indicated dsn, an internal error was detected following a call to the EXTENTS service routine. This indicates an internal structure error.

Processing is terminated with RC=08.
**SCF4509E**

**DEV OPTIMIZE internal EXTENTS error, empty object list for data set dsn**

**Cause**
While processing the indicated dsn, an internal error was detected following a call to the EXTENTS service routine. This indicates an internal structure error.

Processing is terminated with RC=08.

**Action**
Contact the Dell EMC Customer Support Center for technical assistance.

**SCF4510W**

**DEV OPTIMIZE cannot process SELECT for INCLUDE data set dsn: reason**

**Cause**
The INCLUDE dsn cannot be processed for the indicated reason:

- No matching data sets found — No matching datasets where found for the masked dsn specification. If a different mask was intended then change the dataset specification and rerun.
- Volume unavailable — A volume containing the dataset is not available. If access to the volume was intended then check the volume serials associated with the dataset and rerun.

The dataset is ignored and processing continues with RC=04.

**Action**
Refer to the actions for each reason.

**SCF4511E**

**DEV OPTIMIZE cannot process SELECT for INCLUDE data set dsn: reason**

**Cause**
The INCLUDE dsn cannot be processed for the indicated reason:

- Data set not found — The specific, non-masked, dataset name was specified but was not found. Change the dataset name to a valid name and rerun.
- EXTENTS Error, RC=xxxx, RS=yyyy — The EXTENTS service routine returned with the indicated return codes. This could indicate an internal error.
- Invalid mask specified — An invalid dataset mask was specified. Refer to the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide for valid dataset name masks and rerun.
- LOCATE error RC=xxxx — The z/OS LOCATE service terminated with the indicated return code. Verify access to the dataset and, if necessary, refer to the IBM LOCATE service return code information in the DFSMS Advanced Services manual.
Processing is terminated with RC=08.

Action
Refer to the actions for each reason. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

SCF4512I

DEV OPTIMIZE SELECT assigned STMT sssss

Cause
The parsed SELECT statement has been assigned the indicated statement number. This will be referred to in subsequent processing.

Action
None.

SCF4513I

DEV OPTIMIZE processing SELECT STMT sssss

Cause
A previously parsed SELECT statement referred by sssss is being processed. The associated SELECT statement is identified by message SCF4512I.

Action
None.

SCF4514I

-------------------------------------------------------------

Cause
Report line separator.

Action
None.

SCF4515W

DEV OPTIMIZE duplicate STORCLAS ssssssss skipped for SELECT

Cause
The same SMS storage class indicated by ssssssss was specified in the same SELECT statement. The duplicate storage class is ignored.

Processing continues with RC=04.

Action
If a different storage class was intended then change the SELECT statement and rerun.
SCF4516W

DEV OPTIMIZE duplicate DATACLAS dddddddd skipped for SELECT

Cause
The same SMS data class indicated by dddddddd was specified in the same SELECT statement. The duplicate data class is ignored.
Processing continues with RC=04.

Action
If a different data class was intended then change the SELECT statement and rerun.

SCF4517W

DEV OPTIMIZE duplicate MGMTCLAS mmmmmmmm skipped for SELECT

Cause
The same SMS management class indicated by mmmmmmmm was specified in the same SELECT statement. The duplicate management class is ignored.
Processing continues with RC=04.

Action
If a different management class was intended then change the SELECT statement and rerun.

SCF4518E

DEV OPTIMIZE SELECT STMT sssss VOLUME_LIST xxxxxxxxx not defined

Cause
The SELECT statement referred to by sssss refers to an undefined VOLUME_LIST name indicated by xxxxxxxxx. The associated SELECT statement is identified by message SCF4512I.
Processing is terminated with RC=08.

Action
Define the VOLUME_LIST correctly for the indicated SELECT statement and rerun.

SCF4519E

DEV OPTIMIZE SELECT STMT sssss VOLUME_LIST required for a generic 
DataSetName(**) request

Cause
The SELECT statement referred to by sssss contains a generic ** dataset name specification. A VOLUME_LIST is required for such a specification. The associated SELECT statement is identified by message SCF4512I.
Processing is terminated with RC=08.
Action
Define the VOLUME_LIST correctly for the indicated SELECT statement and rerun.

SCF4520I

DEV OPTIMIZE data set dsn skipped: reason

Cause
The dataset shown by dsn was skipped as it did not match the selection requirements for the indicated reason:

- DATACLAS dddddd not matched — The dataset data class does not match the requested SELECT data class.
- Data set not inuse — The ALLOCATED option was specified but the dataset is not currently in use (SYSdsn ENQ not held).
- DSORG not matched — The dataset DSORG (dataset organization) does not match the requested SELECT DSORG.
- EXCLUDE DSN dsn — A dataset name match was found in the EXCLUDE dataset name list.
- No DATACLAS located — An SMS data class match was requested but no data class is defined for the dataset.
- No MGMTCLAS located — An SMS management class match was requested but no management class is defined for the dataset.
- No STORCLAS located — An SMS storage class match was requested, however, no storage class is defined for the data set.
- MGMTCLAS mmmmmmmmm not matched — The dataset management class does not match the requested SELECT management class.
- STORCLAS sssssssss not matched — The dataset storage class does not match the requested SELECT storage class.

Action
None or as indicated by the above reason.

SCF4521W

DEV OPTIMIZE data set dsn skipped: reason

Cause
The dataset shown by dsn was skipped as it did not match the selection requirements for the indicated reason:

- Could not obtain data from FAMS (xxxxxxxxx) — File attribute information could not be obtained from the IBM FAMS service routine. Additional z/OS messages are output to indicate the reason. Refer to the appropriate z/OS message documentation. If the reason for this message cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

Action
None or as indicated by the above reason.
**SCF4522I**

DEV OPTIMIZE data set dsn has passed all SELECT criteria.

**Cause**
The dataset shown by dsn has passed all of the SELECT criteria.

**Action**
None.

**SCF4522W**

DEV OPTIMIZE all data sets skipped for INCLUDE data set dsn.

**Cause**
All datasets that matched the include dataset name did not pass the required SELECT criteria. Refer to other messages, in particular SCF4520I to indicate the reason.

**Action**
None.

**SCF4523I**

DEV OPTIMIZE data set dsn [VOLSER vvvvv[,device scuu][ skipped: reason]

**Cause**
The dataset shown by dsn was skipped as it did not match the VOLUME_LIST or meet the following requirements for the indicated reason:

- Covered by full volume extent — A previously full volume extent definition overrides the usage of a more restrictive dataset extent definition.
- Denied by security — The associated user ID does not have the necessary authority to process the indicated dataset. Refer to additional security product messages, for example ICH408I, to determine the current and required level of security access.
- Device not available from SCF [ssss is not active] — The UCB associated with the indicated volume serial vvvvv could not be located by SCF. Verify that the device has not been excluded from SCF and, where indicated, SCF is active.
- Non-DELL EMC device — Only Dell EMC devices may be processed. Other vendor devices are ignored.
- Not applicable to Mirror Optimizer — Mirror Optimizer was requested, however, syscall processing is currently blocked by access control.
- not matched to VOLUME_LIST xxxxxxxx — The indicated dataset volume serial vvvvvv did not match to the SELECT VOLUME_LIST.
- no volumes matched — All volume(s) associated with the dataset where not matched to the SELECT VOLUME_LIST.
- UCB unavailable — The z/OS UCB associated with the indicated volume serial vvvvvv could not be located. Verify that the device is online and available.
Action
None or as indicated by the above reason.

SCF4524E

DEV OPTIMIZE data set dsn [VOLSER vvvvvv[,device scuu]] skipped: reason

Cause
The dataset shown by dsn was skipped due to the indicated error reason.

- Device creation failed (xxxxxxxx/yyyyyyyy) — An internal error occurred during device control block creation. The internal diagnostic return code information is indicated by xxxxxxxx and yyyyyyyy.
- XDSN storage obtain failed (xxxxxxxx/yyyyyyyy) — An error occurred during dataset control block creation using the z/OS IARCP64 service.xxxxxxxx and yyyyyyy indicate the IARCP64 return code and reason code values.
- XMAP DELETE failed (xxxxxxxx/yyyyyyyy) — An internal error occurred during extent map delete processing. The internal diagnostic return code information is indicated by xxxxxxxx and yyyyyyy.
- XMAP failed (xxxxxxxx/yyyyyyyy) — An internal error occurred during extent map processing. The internal diagnostic return code information is indicated by xxxxxxxx and yyyyyyy.
- XTNT storage obtain failed (xxxxxxxx/yyyyyyyy) — An error occurred during extent control block creation using the z/OS IARCP64 service.xxxxxxxx and yyyyyyy indicate the IARCP64 return code and reason code values.
- XTNT_LST storage obtain failed (xxxxxxxx/yyyyyyyy) — An error occurred during extent list control block creation using the z/OS IARCP64 service.xxxxxxxx and yyyyyyy indicate the IARCP64 return code and reason code values.
- XVOL storage obtain failed (xxxxxxxx/yyyyyyyy) — An error occurred during volume control block creation using the z/OS IARCP64 service.xxxxxxxx and yyyyyyy indicate the IARCP64 return code and reason code values.

Processing is terminated with RC=08.

Action
Contact the Dell EMC Customer Support Center for technical assistance.

SCF4540I

DEV OPTIMIZE REPLACE already specified

Cause
The REPLACE directive has already been specified in the command sequence. The duplicate specification is ignored.

Action
None.
<table>
<thead>
<tr>
<th>SCF4541I</th>
<th>DEV OPTIMIZE FREE already specified</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cause</strong></td>
<td>The FREE directive has already been specified in the command sequence. The duplicate specification is ignored.</td>
</tr>
<tr>
<td><strong>Action</strong></td>
<td>None.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SCF4542I</th>
<th>DEV OPTIMIZE logical area release completed</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cause</strong></td>
<td>The REPLACE or FREE directive was specified. The optimizer data areas are now freed.</td>
</tr>
<tr>
<td><strong>Action</strong></td>
<td>None.</td>
</tr>
</tbody>
</table>

| SCF4543I | DEV OPTIMIZE.PAV data set dsn [[remains] set to] | [changed to] [Read|Write|ReadWrite|Passive] |
|----------|-------------------------------------------------|
| **Cause** | The zBoost PAV Optimizer monitoring level for the dataset dsn is now set to the indicated value. |
| **Action** | None. |

| SCF4544I | DEV OPTIMIZE.MIR data set dsn [[remains] set to] | [changed to] [Write|Passive] |
|----------|-------------------------------------------------|
| **Cause** | The Mirror Optimizer monitoring level for the dataset dsn is now set to the indicated value. |
| **Action** | None. |
SCF4545W

DEV OPTIMIZE.PAV data set dsn VOLSER volser[,device scceu] overriden by INI device settings

Cause
The zBoost PAV Optimizer monitoring level for the dataset dsn is being overridden by the device inclusion parameters in SCFINI. The SCFINI parameters specified by the INCLUDE device lists override the SELECT parameters.

Processing continues with RC=04.

Action
If the SELECT parameter values are to be used rather than the SCFINI SCF.DEV.OPTIMIZE.PAV device include parameters then remove the SCFINI parameter specifications for the indicated device and perform an SCF INI,REFRESH command.

SCF4546W

DEV OPTIMIZE.MIR data set dsn VOLSER volser[,device scceu] overriden by INI device settings

Cause
The Mirror Optimizer monitoring level for the dataset dsn is being overridden by the device inclusion parameters in SCFINI. The SCFINI parameters specified by the INCLUDE device lists override the SELECT parameters.

Processing continues with RC=04.

Action
If the SELECT parameter values are to be used rather than the SCFINI SCF.DEV.OPTIMIZE.MIR device include parameters then remove the SCFINI parameter specifications for the indicated device and perform an SCF INI,REFRESH command.

SCF4547E

DEV OPTIMIZE SCF emcscf is not active

Cause
The SCF subsystem ID defined by the SCF$emcscf DD DUMMY statement is not currently active. The default is SCF$EMC DD DUMMY.

Processing is terminated with RC=08.

Action
Start the indicated SCF or change SCF$emcscf DD DUMMY to an SCF that is active and rerun the job.
SCF4548I

DEV OPTIMIZE VOLSER vvvvv, device scceu has full extent coverage

**Cause**
The indicated device has full extent coverage either by the ALLDATA or generic DSN(**) option.

**Action**
None.

SCF4549I

DEV OPTIMIZE.PAV VOLSER vvvvv, device scceu [[remains] set to]| [changed to] [Read|Write|ReadWrite|Passive]

**Cause**
The indicated device has the indicated accumulated zBoost PAV Optimizer monitor settings across all monitored extents on the device.

**Action**
None.

SCF4550I

DEV OPTIMIZE.MIR VOLSER vvvvv, device scceu [[remains] set to]| [changed to] [Read|Write|ReadWrite|Passive]

**Cause**
The indicated device has the indicated accumulated Mirror Optimizer monitor settings across all monitored extents on the device.

**Action**
None.

SCF4551W

DEV OPTIMIZE.PAV VOLSER vvvvv, device scceu overriden by INI device settings

**Cause**
The zBoost PAV Optimizer monitoring level for the full volume request defined by ALLDATA or generic DSN(**) is being overridden by the device inclusion parameters in SCFINI. The SCFINI parameters specified by the INCLUDE device lists override the SELECT parameters.

Processing continues with RC=04.

**Action**
If the SELECT parameter values are to be used rather than the SCFINI SCF.DEV.OPTIMIZE.PAV device include parameters then remove the SCFINI
parameter specifications for the indicated device and perform an SCF INI,REFRESH command.

**SCF4552W**

DEV OPTIMIZE.MIR VOLSER volser, device scceu overriden by INI device settings

**Cause**
The Mirror Optimizer monitoring level for the full volume request defined by ALLDATA or generic DSN(***) is being overridden by the device inclusion parameters in SCFINI. The SCFINI parameters specified by the INCLUDE device lists override the SELECT parameters.

Processing continues with RC=04.

**Action**
If the SELECT parameter values are to be used rather than the SCFINI SCF.DEV.OPTIMIZE.MIR device include parameters then remove the SCFINI parameter specifications for the indicated device and perform an SCF INI,REFRESH command.

**SCF4553I**

DEV OPTIMIZE Generic DataSetName(***) will result in full volume extent coverage

**Cause**
The indicated generic DSN(***) request will result in all extents on the device being monitored. This overrides any prior and subsequent specific dataset requests for this same device.

**Action**
None.

**SCF4554E**

DEV OPTIMIZE data set dsn contains an invalid mask: reason

**Cause**
The SELECT statement for the dataset name contains an invalid mask for the indicated **reason**:

- Not permitted in HLQ - Masking characters are not allowed in the dataset name first qualifier (HLQ).

Processing is terminated with RC=08.

**Action**
Respecify the dataset name matching the masking rules and rerun the job.
**SCF4555E**

DEV OPTIMIZE.PAV LFC is not installed

**Cause**

zBoost PAV Optimizer monitoring is not allowed without the correct License Feature Code (LFC).

Processing is terminated with RC=08.

**Action**

Remove the zBoost PAV Optimizer monitoring setting from the SELECT statement or specify a valid license feature code for zBoost PAV Optimizer in SCFINI, perform an INI,REFRESH and rerun the job.

**SCF4557I**

DEV OPTIMIZE SAF DASDVOL access allowed to VOLSER vvvvvv

**Cause**

The user ID associated with the job has DASDVOL access to the indicated VOLSER. No additional DSN access verification is performed for this volume.

**Action**

None.

**SCF4598E**

DEV OPTIMIZE internal error: reason

**Cause**

An internal error has occurred during processing.

Processing is terminated with RC=08.

**Action**

Contact the Dell EMC Customer Support Center for technical assistance.

**SCF4600I**

ESFOPTBT Dell EMC Optimizer Batch Interface version

**Cause**

ESFOPTBT herald message indicating the build version information.

**Action**

None.
SCF4601W

ESFOPTBT SYSPRINT DD not defined. All messages will be routed via WTO

Cause
The ESFOPTBT SYSPRINT DD was not defined. All messages that would normally be issued to the SYSPRINT DD will be routed via WTO.

Action
If messages are to be sent to SYSPRINT, update the ESFOPTBT job to include the SYSPRINT DD and rerun.

SCF4602E

ESFOPTBT SYSIN DD not allocated

Cause
The required ESFOPTBT SYSIN DD was not defined. Processing is terminated with RC=08.

Action
Update the ESFOPTBT job to include the SYSIN DD statement and rerun. Refer to the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide on directives that may be specified through the SYSIN DD.

SCF4603E

ESFOPTBT not APF authorized

Cause
ESFOPTBT is not APF authorized. ESFOPTBT requires APF authorization to access the various optimizer control functions. Processing is terminated with RC=08.

Action
Add the ESFOPTBT libraries to the z/OS APF list and rerun the job.

SCF4604E

ESFOPTBT SCF emcscf is not active

Cause
The SCF subsystem ID defined by the SCF$emcscf DD DUMMY statement is not currently active. The default is SCF$EMC DD DUMMY. Processing is terminated with RC=08.

Cause
Start the indicated SCF or change SCF$emcscf DD DUMMY to an SCF that is active and rerun the job.
SCF4605E

ESFOPTBT DEV Optimizer is not active

Cause
The optimizer functionality is not currently active for the specified SCF$emcscf DD DUMMY. This could indicate that SCF is in an initializing state. Processing is terminated with RC=08.

Action
Wait for SCF to complete initialization or change SCF$emcscf DD DUMMY to an SCF that is active and rerun the job.

SCF4608E

ESFOPTBT SCF emcscf version mismatch.
Expecting Vversion, level level
Found Vversion, level level

Cause
The build version of ESFOPTBT does not match the required level of the SCF being accessed by the SCF$emcscf DD DUMMY. This could indicate a library STEPLIB/JOBLIB issue. Processing terminates with RC=08.

Action
Verify the SCF installation to ensure that the correct libraries are being accessed by the ESFOPTBT job and the SCF address space.

SCF4609E

ESFOPTBT Invalid structure detected: reason

Cause
An invalid internal structure has been detected by ESFOPTBT. This can indicate a possible internal error. Processing terminates with RC=08.

Action
Contact the Dell EMC Customer Support Center for technical assistance.

SCF4610I

ESFOPTBT Current optimizer status:
   PAV Optimizer: Enabled|Disabled
   MIR Optimizer: Enabled|Disabled

Cause
Indicates the current state of the optimizer.

Action
None.
SCF4611E

ESFOPTBT SCF emcscf initialization has not completed

Cause
SCF is in an initializing state.
Processing terminates with RC=08.

Cause
Wait for SCF to complete initialization or change SCF$emcscf DD DUMMY to an SCF that is active and rerun the job.

SCF4612E

ESFOPTBT Access denied by security to resource resource reason

Cause
Access to the indicated resource has been denied by the security package for the specified reason.
Processing is terminated with RC=08.

Action
The user ID associated with the ESFOPTBT job requires access to certain SAF resources. Refer to the Dell EMC Mainframe Enablers Installation and Customization Guide for further details.

SCF5000I

ELM environment initializing

Cause
Issued during SCF startup when the eLicensing management environment starts.

Action
None.

SCF5001I

ELM environment terminating

Cause
Issued during SCF termination when the eLicensing management environment is ending.

Action
None.
### SCF5002E

No data available for Symmetrix xxxxx

**Cause**
The user specified a storage system serial number for a storage system at an Enginuity level prior to 5875.

**Action**
Re-enter the command with a valid storage system serial number.

### SCF5003E

No serial numbers match xxxxx

**Cause**
The user specified a wildcard value for CONTROLLER and no matches were found.

**Action**
Re-enter the command with a different string or with a specific storage system serial number.

### SCF5004W

No usage report found for xxxxxxxxxxxxxxx

**Cause**
The storage system serial number used for an ELM QUERY command had no associated usage report. This condition can occur if either all the eLicensing managed features are disabled or the first usage report has yet to be created by ELM QUERY.

**Action**
Consult the *Dell EMC Mainframe Enablers Installation and Customization Guide* for information on how to create a usage report and save it to the storage system. If this persists, contact the Dell EMC Customer Support Center for technical assistance.

### SCF5005I

Report for (type) Controller follows

**Cause**
The ELM LIST or QUERY command is accepted and its output follows this message.

**Action**
None
**SCF5006E**

SYMAPI-MF R15=rc EMCRC=erc EMCRS=ers EMCRX=erx serial number xxxxxxxxxxxxx

**Cause**
During the processing of an ELM QUERY command an internal error occurred while trying to obtain the usage report from the listed serial number.

**Action**
Verify the serial number and retry the command. If the issue persists, contact the Dell EMC Customer Support Center for technical assistance.

**SCF5007E**

SYMAPI-MF R15=rc EMCRC=erc EMCRS=ers EMCRX=erx HOPLIST=hhhhhhhh serial number xxxxxxxxxxxxx

**Cause**
During the processing of an ELM QUERY command to a storage system which is remote to this SCF, an internal error occurred while trying to obtain the usage report from the listed serial number.

**Action**
Verify the serial number and retry the command. If the issue persists, contact the Dell EMC Customer Support Center for technical assistance.

**SCF5008W**

XML services not supported for z/OS vv.rr.mm. Substituting ELM LIST CONTROLLER(xxxxxxxxxxxxxx)

**Cause**
z/OS XML services are not available on the current system. They are part of z/OS as of z/OS V1R8.

**Action**
XML services are required in order to process the usage report file obtained for the ELM QUERY command specified. ELM LIST CONTROLLER was used in place of ELM QUERY CONTROLLER.

**SCF5009E**

Unable to get storage for XML area. RC=rc size=nnnn

**Cause**
A request for nnnn bytes of storage failed.
**Action**
This is an internal error. Contact the Dell EMC Customer Support Center for technical assistance.

**SCF5010E**

Call to XML service failed. Function=ffff rc=rc rsn=rsn serial number xxxxxxxxxxxxxx

**Cause**
While processing an ELM QUERY CONTROLLER command a call to the specified z/OS XML service failed.

**Action**
If this occurs contact the Dell EMC Customer Support Center for technical assistance. Additional information is recorded in the SCF TRACE dataset for Dell EMC diagnostic purposes.

**SCF5300I**

SRV FACILITY STARTING

**Cause**
Issued when the Service Environment Facility starts.

**Action**
None

**SCF5301I**

SRV FACILITY ENDING

**Cause**
Issued when the Service Environment Facility ends.

**Action**
None

**SCF5302I**

SRV environment has xx active task(s)

**Cause**
The SRV,SYSBUSY,DISPLAY command was issued. xx indicates the number of active SRV tasks (external applications) that currently require SCF to remain active.

**Action**
None.
**SCF5303I**

SRV active task count changed from xx to yy

**Cause**
An SRV,SYSBUSY command was issued that changed the number of active SRV tasks (external applications) that currently require SCF to remain active.

The number xx indicates the previous tasks and yy indicates the now current number of tasks.

**Action**
None.

**SCF5304I**

**text**

**Cause**
An SRV command was issued. This message is an informational message from the SRV command parser.

**Action**
None.

**SCF5305E**

**text**

**Cause**
An SRV command containing a syntax error was issued. This message displays an error message from the SRV command parser.

**Action**
None.

**SCF5306I**

SRV GLOBAL nnnnnnnn

**Cause**
This message displays the address (nnnnnnnn) of the key SRV control block for diagnostic purposes.

**Action**
None.
SCF5400I

Dell EMC THIN RECLAIM UTILITY STARTUP (TRU) Vnnn

Cause
The SCF TRU Monitor subtask has started execution.

Action
None.

SCF5401I

TRU UNABLE TO LOCATE CMNAREA OF SRXGBL: xxxxxxxx - xxxxxxxx

Cause
The global storage anchor cannot be found.

Action
Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

SCF5402I

TRU SRXGBL FOUND (xxxxxxx). BODY FOUND (xxxxxxx)

Cause
The global storage anchor has been located. The address of the base and body are shown.

Action
None.

SCF5403I

TRU APP_HTRU INVALID - xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx

Cause
The TRU common storage header has been found, but appears to be invalid.

Action
Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

SCF5404I

TRU UNABLE TO ACQUIRE STORAGE FOR TRU APPLICATION HEADER - xxxxxxxx
**SCF5405I**

**Cause**
Unable to acquire common storage for the TRU header.

**Action**
Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**SCF5406I**

**Cause**
The TRU common storage header has been allocated at the identified address (length).

**Action**
None.

**SCF5407I**

**Cause**
The TRU common storage device block has been found, but appears to be invalid.

**Action**
Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**SCF5408I**

**Cause**
Unable to acquire common storage for the TRU device block.

**Action**
Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
SCF5409I

TRU APP_DTRU ALLOCATED FOR DEVICE ccuu @ xxxxxxxx - (xxxxxxxx)

Cause
The TRU common storage device block has been allocated at the identified address (length).

Action
None.

SCF5410I

TRU APP_DTRU LOCATED FOR DEVICE ccuu @ xxxxxxxx - (xxxxxxxx)

Cause
The TRU common storage device block has been located at the identified address (length).

Action
None.

SCF5411I

TRU INI-VALUE INVALID - ini-keyword - valuespecified- reasoncode

Cause
The indicated ini-keyword has an invalid value specified. The various reason codes are:
- TIME RANGE OVERLAPS ANOTHER TIME RANGE
- IN RANGE, SECOND # MUST BE LARGER THAN FIRST #
- MUST BE BETWEEN 0 AND FFFF
- EXPECTING DASH FOR VALID RANGE
- MUST BE VALID HEX DIGITS, 0-9 A-F
- MUST BE VALID DECIMAL DIGITS, 0-9
- VALUE BE 1 THRU nn
- MUST BE LESS THAN OR EQUAL TO 4 CHARACTERS
- MUST BE LESS THAN OR EQUAL TO 8 CHARACTERS
- MUST BE MORE THAN 2 CHARACTERS
- TOO MANY ITEMS SPECIFIED
- MUST BE VALID TIME NOTATION - HHMM
- UNKNOWN ERROR
- MUST BE YES OR NO
- IS NOT A VALID VALUE
VALUE OUT OF RANGE (min-max)

Action
Correct the indicated INI value.

SCF5412I

TRU THIN RECLAIM UTILITY EXITING

Cause
The SCF TRU Monitor Subtask is exiting.

Action
None.

SCF5413I

TRU action STARTED TASK STARTED ON DEVICE ccuu - startcmd

Cause
A zOS start command has been issued to perform the requested action (SCAN or RECLAIM). Device ccuu will be processed.

Action
None.

SCF5414I

TRU action ATTACHED TASK STARTED ON DEVICE ccuu

Cause
The SCF TRU Monitor has attached a subtask in SCF to perform the requested action (SCAN or RECLAIM). Device ccuu will be processed.

Action
None.

SCF5415I

TRU action ATTACHED TASK COMPLETED ON DEVICE ccuu, COMPLETION CODE=xxxxxxxx

Cause
The task previously attached to process the action (SCAN or RECLAIM) has completed for the indicated device. The completion code is shown.

Action
None.
SCF5416I

TRU INI VALUE FOR *inikeyword* ASSIGNED VALUE OF *valuespecified*

**Cause**
The SCF TRU Monitor has processed the INI value specified by the user in the SCF INI file.

**Action**
None.

SCF5417I

TRU *cmd* COMMAND COMPLETED [ *(CANCELLED DUE TO DISABLE)/*]

**Cause**
The command has been processed by the SCF Monitor task. If the command had not yet been accepted for processing and a TRU DISABLE command is entered then ‘(CANCELLED DUE TO DISABLE)’ is displayed.

**Action**
None.

SCF5418I

TRU UNABLE TO START *dddd*, THIS DEVICE *action* THIS DEVICE *eeeeee*

**Cause**
A record to start the *action* (either SCAN or RECLAIM) for the indicated *dddd* device will not happen. The reason is indicated by *eeeeee*.

Possible reasons are:

**IS CURRENTLY BEING PROCESSED**
This indicates a SCAN or RECLAIM activity is currently running for the device.

**IS ALREADY STARTING**
This indicates a SCAN or RECLAIM activity is currently running in startup for the device.

**PREVIOUSLY FAILED DURING INITIALIZATION**
This indicates a prior SCAN or RECLAIM activity failed in initialization for the device. Examine other messages for a prior action on this device for the failure reason. No new SCAN or RECLAIM will be processed automatically started within a 5 minute window. If required an operator initiated action can be requested to override this window.

**Action**
None.
SCF5419I

TRU STARTING STATUS ON DEVICE dddd (CANCELLED DUE TO DISABLE)
TRU FAILED INITIALIZATION STATUS ON DEVICE dddd (CANCELLED DUE TO DISABLE)
TRU STARTING STATUS ON DEVICE dddd RESET DUE TO EXCEEDING EXPECTED STARTUP TIME

Cause
The indicated status was reset for the device. Various forms are available for this message.

If a DISABLE command was entered, then devices in STARTING or FAILED INITIALIZATION status will be reset. A subsequent TRU ENABLE command will allow the device activity to be performed.

If the action was being started but failed before any processing is performed then another action cannot start for 5 minutes. Once the 5 minute window is reached (or exceeded) then another action may then be started.

Action
None.

SCF5420E

TRU UNABLE TO LOCATE #SRXGBL

Cause
The SCF Device Display is unable to locate the SRX global storage.

Action
(1) If the SCF TRU Monitor is not running, this is to be expected and no action is necessary. Avoid using the TRU keyword on the SCF Device Display if the SCF TRU Monitor is not running. (2) If the SCF TRU Monitor is running, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

SCF5421E

TRU UNABLE TO LOCATE #SRXDEV

Cause
The SCF Device Display is unable to locate the SRX device storage.

Action
(1) If the SCF TRU Monitor is not running, this is to be expected and no action is necessary. Avoid using the TRU keyword on the SCF Device Display if the SCF TRU Monitor is not running. (2) If the SCF TRU Monitor is running, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
**SCF5422E**

TRU UNABLE TO LOCATE SRXDTRU

**Cause**
The SCF Device Display is unable to locate the SRX device storage.

**Action**
1. If the SCF TRU Monitor is not running, this is to be expected and no action is necessary. Avoid using the TRU keyword on the SCF Device Display if the SCF TRU Monitor is not running.
2. If the SCF TRU Monitor is running, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**SCF5423I**

TRU device information

**Cause**
This is issued in response to the SCF Device Display with the TRU keyword specified.

**Action**
None.

**SCF5437E**

I/O ERROR ATTEMPTING TO READ DEVICE CHARACTERISTICS FOR DEVICE ccuu

**Cause**
An I/O error occurred while reading the device characteristics for the indicated device.

**Action**
Verify that the device is in a proper condition to be used. Rerun with DEBUG specified and send the resulting output to the Dell EMC Customer Support Center for technical assistance.

**SCF5438E**

FORMAT4 DSCB NOT FOUND

**Cause**
Format 4 DSCB cannot be located.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**SCF5440E**

**I/O ERROR ATTEMPTING TO OBTAIN VTOC FREESPACE INFORMATION**

**Cause**
An I/O error occurred when reading the VTOC freespace for an offline volume.

**Action**
Rerun with DEBUG specified and contact the Dell EMC Customer Support Center for technical assistance.

**SCF5441I**

action PROCESSED nnn TRACKS [xxxxxxxxx, xxxxxxxxx]
action PROCESSED nnn TRACKS [xxxxxxxxx, xxxxxxxxx] - SCF MONITOR NOTIFIED

**Cause**
The action has completed and processed the number of tracks. Within the braces, the current _RECENT and _POST values are shown. The term “SCF MONITOR NOTIFIED” will be present if the SCF Monitor has been posted for activity.

**Action**
None.

**SCF5442I**

DATASET SCRATCH - RC: xxxxxxxxx RS: xxxxxxxx

**Cause**
A non-zero return code was issued after scratching the temporary dataset.

**Action**
Save the logs and trace dataset and contact the Dell EMC Customer Support Center for technical assistance.

**SCF5443E**

**INVALID PARAMETER — EXPECTED "SCAN" OR "RECLAIM"**

**Cause**
Parameter 1 must be either SCAN or RECLAIM.

**Action**
Correct the parameter and rerun.
SCF5444I

VOLUME: volser CCUU: ccuu HAS NO VTOC INDEX

Cause
The volume does not have an active VTOC index.

Action
The temporary dataset method cannot be used unless there is a VTOC index present on the device. Processing will continue without using temporary datasets.

SCF5445E

Format 1:
SDDF SESSION FOUND TO BE INVALID, DEVICE IS NOW STOPPED

Format 2:
SDDF SESSION FOUND TO BE INVALID, SCF IS NOT AVAILABLE TO STOP DEVICE

Cause
The SDDF session is not valid.

Action
Format 1: The device will not be monitored - SCF has been notified.

Format 2: The device will not be monitored - SCF is not available to be notified.

SCF5446I

RECLAIM STARTED IN SYMMETRIX

Cause
After reclaim processing, the RECLAIM task has been started in the storage system.

Action
None.

SCF5446W

SCF5446W ATTEMPT TO START RECLAIM IN SYMMETRIX FAILED, DEVICE HAS SESSIONS AND PROTECTED TRACKS

Cause
After reclaim processing, an attempt to start reclaim processing in the storage system failed. The device has some sessions and protected tracks.

Action
Rerun the reclaim after the sessions and protected tracks are gone.
SCF5447I

SCF5447I SYSVTOC RESERVE ACQUIRED ON DEVICE volser

Cause
For reclaim processing, a SYSVTOC reserve has been acquired on the indicated device.

Action
None.

SCF5448I

SCF5448I SYSVTOC RESERVE RELEASED ON DEVICE volser

Cause
The SYSVTOC reserve previously acquired has been released on the indicated device.

Action
None

SCF5449E

SCF API NOT AVAILABLE

Cause
The issuance of this message indicates that the processing was interrupted and could not be completed.

Action
Re-attempt processing after SCF is restarted.

SCF5450I

ESFTRURC ENTERED

Cause
SCAN/RECLAIM utility is executing.

Action
None.

SCF5451I

ESFTRURC EXITED, RC=xxxxxxxxx
SCAN/RECLAIM utility has completed.

Action
None.

ASSIGNED TO SCF scfname

The SCAN/RECLAIM utility is using SCF scfname.

Action
None.

SYSVTOC RESERVE MAX HOLD TIME = nnn

The SYSVTOC RESERVE will be held a maximum of nnn hundredth seconds.

Action
None.

SYSVTOC RESERVE AVG WAIT TIME = nnn

After the SYSVTOC RESERVE is released, a minimum of nnn hundredth seconds will pass before the SYSVTOC RESERVE will be acquired again.

Action
None.

RECLAIM METHOD = n

The reclaim method being used is n.

Action
None.
SCF5456I

SYSVTOC RESERVE WILL BE USED FOR SEGMENTS SMALLER THAN nn TRACKS AND OFFLINE DEVICES

Cause
While the SYSVTOC RESERVE is held, segments smaller than nn tracks will be processed. Also, offline devices will be processed while holding the SYSVTOC RESERVE.

Action
None.

SCF5457I

Format 1:

PASS# nn HAS PROCESSED nnn SEGMENTS INVOLVING nnnnnn TRACKS

Format 2:

POSTPASS# nn HAS PROCESSED nnn SEGMENTS INVOLVING nnnnnn TRACKS

Cause
After the pass has completed and the reserve released, message “Format 1” identifies how many segments and tracks were processed while holding the reserve. “Format 2” is issued to identify how many segments and tracks were processed while not holding the reserve.

Action
None.

SCF5458I

ESFTRURC FOUND ANOTHER TASK ACTIVE ON DEVICE, EXITING

Cause
The SCAN/RECLAIM utility has found another SCAN/RECLAIM running on the same device.

Action
None.

SCF5459I

PROCESSING DEVICE: ccuu - VOLSER: volser, DEVICE HAS nnn CYLINDERS

Cause
This message identifies the device being processed for SCAN/RECLAIM.
SCF5460E

UNABLE TO LOCATE $SASECSA

Cause
The SCAN/RECLAIM utility is not able to locate and identify the SCF address space.

Action
Ensure that the //SCF$xxxx DD DUMMY statement in the JCL contains the correct SCF identifier. Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

SCF5461E

SCF5461E UNABLE TO VALIDATE $SASECSA

Cause
The $SASECSA control block eye-catcher is invalid.

Action
Notify Dell EMC Technical Support for assistance.

SCF5462E

UNABLE TO LOCATE #SRXGBL

Cause
The SCAN/RECLAIM utility is not able to locate and identify the SRX global storage.

Action
Ensure that the //SCF$xxxx DD DUMMY statement in the JCL contains the correct SCF identifier. Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

SCF5463E

UNABLE TO LOCATE #SRXGBL_CMNAREA

Cause
The SCAN/RECLAIM utility is not able to locate and identify the SRX global storage common area.

Action
1) Ensure that the //SCF$xxxx DD DUMMY statement in the JCL contains the correct SCF identifier. (2) Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
SCF5464E

UNABLE TO VALIDATE #SRXGBL

Cause
The SCAN/RECLAIM utility is not able to locate and identify the SRX global storage.

Action
Ensure that the //SCF$xxxx DD DUMMY statement in the JCL contains the correct SCF identifier. Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

SCF5465E

UNABLE TO LOCATE SRXHTRU

Cause
The SCAN/RECLAIM utility is not able to locate and identify the TRU common storage header.

Action
Ensure that the //SCF$xxxx DD DUMMY statement in the JCL contains the correct SCF identifier. Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

SCF5466E

UNABLE TO VALIDATE SRXHTRU

Cause
The SCAN/RECLAIM utility is not able to locate and identify the TRU common storage header.

Action
Ensure that the //SCF$xxxx DD DUMMY statement in the JCL contains the correct SCF identifier. Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

SCF5467E

PARAMETER "CCUU" NOT VALID

Cause
The CCUU parameter specified to the program is not a valid cchh. It must be a valid CCUU that is known by SCF.

Action
Correct the CCUU parameter to refer to the appropriate device. Ensure that SCF knows about the device.
SCF5468E

UNABLE TO LOCATE SRXDEV

Cause
The CCUU provided does not map to a TRU monitored device.

Action
Verify that the device is a valid TRU monitored device.

SCF5469E

UNABLE TO VALIDATE SRXDEV

Cause
The CCUU provided does not map to a TRU monitored device.

Action
Verify that the device is a valid TRU monitored device.

SCF5470E

RECLAIM CANNOT PROCESS AN OFFLINE DEVICE

Cause
The offline device does not contain a valid VTOC Index.

Action
Create a VTOC Index on the device.

SCF5471E

UNABLE TO LOCATE SRXDTRU

Cause
The CCUU provided does not map to a TRU monitored device.

Action
Verify that the device is a valid TRU monitored device.

SCF5472E

UNABLE TO VALIDATE SRXDTRU

Cause
The CCUU provided does not map to a TRU monitored device.
Action
Verify that the device is a valid TRU monitored device.

**SCF5473E**

DEVICE DOES NOT HAVE SDDF SESSION INFORMATION AVAILABLE

**Cause**
The CCUU provided does not map to a TRU monitored device.

**Action**
Verify that the device is a valid TRU monitored device.

**SCF5474I**

DEVICE SCAN

**Cause**
The SCAN/RECLAIM utility is being executed and performing a SCAN operation.

**Action**
None.

**SCF5475I**

DEVICE RECLAIM

**Cause**
The SCAN/RECLAIM utility is being executed and performing a RECLAIM operation.

**Action**
None.

**SCF5476E**

VOLUME LABEL -label- DOES NOT MATCH VOLSER IN UCB -volser-

**Cause**
The volume label has been read and contains the identity label. The device is online and the UCB contains the identity volser. Processing cannot be performed on this device until the label and volser match.

**Action**
This typically means that the device has been cloned and the UCB has not been updated. Vary the device offline and then vary the device online again. This will cause z/OS to reprocess the volume label and correct the contents of the UCB.
SCF5477E

I/O ERROR ATTEMPTING TO READ VOLUME LABEL FOR DEVICE ccuu

Cause
An I/O error occurred while reading the volume label.

Action
Verify that the device is in a proper condition to be used. Rerun with DEBUG specified and send the resulting output to the Dell EMC Customer Support Center for technical assistance.

SCF5478E

DEVICE ccuu IS NOT BOUND OR NOT READY

Cause
A SCAN or RECLAIM has found that the device is not BOUND or NOT READY.

Action
None.

SCF5479W

ATTEMPT TO START RECLAIM IN SYMETRIX FAILED, RC: xxxxxxxx SRC: xxxx

Cause
A request to the storage system to start the background reclaim activity has failed.

Action
Rerun with DEBUG specified and send the resulting output to the Dell EMC Customer Support Center for technical assistance.

SCF5480I

TRU inputcmd

Cause
This line echos the command line specified by the user.

Action
None.

SCF5481I

TRU cmdname COMMAND COMPLETED
SCF5482I

TRU command COMMAND INVALID

Cause
The indicated command has completed processing.

Action
None.

SCF5483I

TRU ENVIRONMENT HAS NOT BEEN ESTABLISHED, ACTIVATE TRU AND TRY AGAIN

Cause
The command was entered but the TRU environment is not active or has not completed initialization.

Action
Ensure that the TRU environment is active. Ensure that SCF initialization has completed.

SCF5484I

TRU device dddd not defined for Thin Reclaim

Cause
Device dddd is not a monitored device for TRU. The device was not found in the SCF.TRU.DEV.INCLUDE.LIST or was excluded by SCF.TRU.DEV.EXCLUDE.LIST.

Action
If the device is to be monitored for TRU, then add dddd to the SCFINI SCF.TRU.DEV.INCLUDE.LIST and verify that the device is not excluded in the SCF.TRU.DEV.EXCLUDE.LIST.

After updating the SCFINI file, perform an EMCSCF INI,REFRESH command followed by a TRU,REFRESH command.

SCF5485I

TRU DEVICE ccuu NOT A THIN DEVICE
**Cause**
The device (ccuu) is not a monitored device.

**Action**
Correct the device (ccuu) to a valid monitored device.

---

**SCF5486I**

TRU all devices in range dddd-eeee are not defined for Thin Reclaim

**Cause**
Devices dddd-eeee are not a monitored devices for TRU. The devices were not found in the SCF.TRU.DEV.INCLUDE.LIST or were excluded by SCF.TRU.DEV.EXCLUDE.LIST.

**Action**
If the devices are to be monitored for TRU, then add dddd-eeee to the SCFINI SCF.TRU.DEV.INCLUDE.LIST and verify that the devices are not excluded in the SCF.TRU.DEV.EXCLUDE.LIST.

After updating the SCFINI file, perform an EMCSCF INI,REFRESH command followed by a TRU,REFRESH command.

---

**SCF5487I**

TRU DEVICE ccuu HAS SCHEDULED command

**Cause**
The command processing has notified the TRU Monitor Subtask that the requested command is scheduled for processing on the indicated device (ccuu).

**Action**
None.

---

**SCF5488I**

TRU IS CURRENTLY DISABLED

**Cause**
An operator command was entered for an action that is not permissible while TRU is DISABLED.

**Action**
The requested command will not be permitted until a TRU ENABLE command is entered.

---

**SCF5489I**

TRU device dddd now excluded from processing
Cause
Device dddd is no longer a monitored device for TRU. The device was previously included in the SCF.TRU.DEV.INCLUDE.LIST. However, the device was either removed from this list or is now part of the SCF.TRU.DEV.EXCLUDE.LIST.

Action
See message SCF5484I if the device is to be included.

SCF5490I

TRU ENVIRONMENT INFORMATION DISPLAY

Cause
A TRU DISPLAY command is being processed.

Action
None.

SCF5491I

TRU message-text

Cause
A TRU DISPLAY command is being processed.

Action
None.

SCF5492I

TRU COMMANDS ARE: cmd list and syntax

Cause
A TRU HELP command is being processed.

Action
None.

SCF5493I

TRU help text

Cause
A TRU HELP command is being processed.

Action
None.
SCF5494I

TRU dump text

Cause
A TRU DISPLAY command with DEBUG is being processed.

Action
None.

SCF5495I

TRU ENVIRONMENT DEVICE LIST DISPLAY

Cause
A TRU DISPLAY DEVICE command is being processed.

Action
None.

SCF5496I

TRU message-text

Cause
A TRU DISPLAY DEVICE command is being processed.

Action
None.

SCF5497I

TRU DEVICE ccuu IS NOT MONITORED

Cause
A SCAN or RECLAIM command has been issued against a device that is not being monitored.

Action
Correct your device number and try again.

SCF5498I

TRU ENVIRONMENT INFORMATION DISPLAY COMPLETE

Cause
The output from the TRU DISPLAY command is complete.
Action
None.

SCF5499I

**TRU DEBUG - debug output**

**Cause**
DEBUG has been specified for the TRU SCF Monitor.

Action
None.

SCF5500I

**TRU command processing scheduled for sssss device[s][, nnnnn not defined][, ppppp not processed]**

**Cause**
Summary message to indicate that command processing has been scheduled for sssss devices. Additional fields are appended to the message where processing could not be scheduled:
- nnnnn not defined - Devices in a specified range were not defined to TRU.
- ppppp not processed - Other messages were issued to indicate that devices could not be processed. Refer to those messages for any recommended actions.

Action
None.

SCFENF2E

**ENFxx device state change table exhausted**

**Cause**
EMCSCF monitors various device state changes such as Configuration changes, UCB swap processing, VARY ONLINE.OFFLINE, etc. A large number of requests where concurrently being performed which resulted in the state change table being exhausted. In this instance EMCSCF will perform general REFRESH processing due to the extent of this change.

**Action**
None. If this issue occurs often, contact the Dell EMC Customer Support Center for technical assistance.
CHAPTER 2
SRDF Host Component

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EMC9903I

TRACE ON

Cause
A DEBUG TRACE, ON command has been issued and the trace is now active.

Action
None.

EMC9904I

TRACE OFF

Cause
A DEBUG TRACE, OFF command has been issued and the trace is now inactive.

Action
None.

EMC9905I

TRACE RESET

Cause
A DEBUG TRACE, RESET command has been issued and the reset has been done.

Action
None.

EMC9906I

DEBUG MODE ON

Cause
A DEBUG ON command has been issued and the DEBUG diagnostics are now active.

Action
None.

EMC9908I

ESTAE RETRY ROUTINE ENTERED

Cause
An abend occurred in SRDF Host Component and the recovery routine has been called.
**EMC9912I**

**DEBUG MODE OFF**

**Cause**
A DEBUG OFF command has been issued and the DEBUG diagnostics are now inactive.

**Action**
None.

**EMC9998W**

**Format 1:**

SSID ssss message, RPTD BY rrrr N(nnnn)

**Format 2:**

SSID ssss RLD l1 message, RPTD BY rrrr N(nnnn)

**Format 3:**

SSID ssss DEV symdv# message, RPTD BY rrrr N(nnnn)

**Format 4:**

SSID ssss DEV symdv# (count) message, RPTD BY rrrr N(nnnn)

**Format 5:**

SSID ssss RDFG gg message, RPTD BY rrrr N(nnnn)

**Format 6:**

RDF-ECA CGRP TRIP EVENT, RDFG gg, RPTD BY rrrr N(nnnn)

**Format 7:**

SRDF/A SESSION DROP, RC=xx, RDFG gg, RRPT BY rrrr N(nnnn)

**Format 8:**

SSID ssss LDIR ld RDIR rd message, RPTD BY rrrr N(nnnn)

**Format 9:**

SSID ssss RLD | RDFG gg message, RPTD BY rrrr N(nnnn)
Note

For operating environment levels greater than 5874, the count is not displayed.

Cause

A SIM message was received from a storage system. The format of the EMC9998W message varies slightly depending on the exception code specified in the SIM notification. The following table describes the exception codes intercepted by SRDF Host Component and the format of the corresponding EMC9998W message.

<table>
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<tr>
<th>Exception code</th>
<th>Meaning</th>
<th>Message format</th>
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<tbody>
<tr>
<td>044D</td>
<td>An SRDF path was lost.</td>
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<td>044E</td>
<td>An SRDF path is operational after a previous failure.</td>
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<td>0488</td>
<td>Replication data pointer metadata Usage reached 90-99%</td>
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<td>0489</td>
<td>Replication data pointer metadata Usage reached 100%</td>
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<td>04BE</td>
<td>Metadata paging file system mirror Not Ready</td>
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<td>1460</td>
<td>DYNAMIC SPARING INVOKED</td>
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<td>147D</td>
<td>REMOTE LINK DIRECTOR PROBLEM/FAILURE</td>
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<td>147E</td>
<td>SRDF ADAPTER LINK OPERATIONAL</td>
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<td>146D</td>
<td>ALL LINKS OFFLINE</td>
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<tr>
<td>146E</td>
<td>ALL SRDF LINKS OPERATIONAL</td>
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<td>E42F</td>
<td>A sync SRDF write failure has occurred.</td>
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<td>E43E</td>
<td>RDF-ECA CONGROUP TRIP EVENT</td>
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<td>E454*a</td>
<td>VOL SET TO ADAPTIVE COPY MODE</td>
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<tr>
<td>E461</td>
<td>TARGET VOLUME RESYNC W/SOURCE</td>
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<td>E462</td>
<td>SOURCE VOLUME RESYNC W/TARGET</td>
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### Exception code

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<td>R1 VOL SRDF WRITE-DISABLE</td>
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<td>R2 VOL IN NOT READY STATE</td>
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<td>E4F9</td>
<td>R1 CONGROUP TASK INACT</td>
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</tbody>
</table>

a. E454 exception code is issued when a long running channel program using suspend and resume logic is detected on an SRDF source (R1) volume, which is set to synchronous mode. Normally, this indicates that the volume contains an active page dataset. The storage system automatically changes this volume to the adaptive copy mode of operation.

b. A Service Alert with E4F9 REFCODE was detected. This occurs when the ConGroup task (for the Dell EMC Consistency Groups for z/OS product) is terminated without first disabling active consistency groups and a situation occurs that would have otherwise triggered the consistency group. The data at the target may no longer be in a "consistent" state.

Where:

- **ssss**: Specifies the reporting SSID.
- **ll**: Specifies the remote link director number.
- **gg**: Specifies the SRDF group.

**Note**

For Enginuity 5773 and earlier, the director number is reported instead of the group number.

**symdv#**

Specifies the PowerMax/VMAX device number of the error device. The error device number field will be reported as a 4-byte PowerMax/VMAX device number where possible. Where the PowerMax/VMAX device number is not known, the device number will be reported as "CH-xx" where xx is the device address on the channel (index into the SSID table).

**count**

Specifies the number of devices with the status note that the device numbers may not be contiguous.

**Note**

For Enginuity levels greater than 5874, the count is not displayed.
message
Is the message text.

rrrr
Specifies the reporting cuu.

nnnn
Indicates the entry number in the saved message buffers in SRDF Host Component. Saved messages can be displayed using the #SQ MSG command.

For message format 7:
The SRDF group is reported as "RDFG gg". The reason code is reported as "RC=xx".
Valid reason codes for SRDF/A drop are:

<table>
<thead>
<tr>
<th>RC</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>MAX WP - NO HOST THROTTLE</td>
</tr>
<tr>
<td>11</td>
<td>MAX WP - HOST THROTTLE AT MAX</td>
</tr>
<tr>
<td>20</td>
<td>DEV NR AND TOLERANCE OFF</td>
</tr>
<tr>
<td>30</td>
<td>CGTRIP AND TOLERANCE OFF</td>
</tr>
<tr>
<td>40</td>
<td>LINKS LOST</td>
</tr>
<tr>
<td>41</td>
<td>SRDF/A LIMBO TIME EXCEEDED</td>
</tr>
<tr>
<td>50</td>
<td>MSC MODE WINDOW TIME OUT</td>
</tr>
<tr>
<td>60</td>
<td>TIMEOUT WAITING ON HA TO REPORT OLD I/O'S</td>
</tr>
<tr>
<td>62</td>
<td>ACTIVATION SEQUENCE ERROR - R2 INACTIVE</td>
</tr>
<tr>
<td>64</td>
<td>R1 SIDE DEACTIVATED AND R2 SIDE IS INACTIVE</td>
</tr>
<tr>
<td>70</td>
<td>SYSTEM POWER DOWN</td>
</tr>
<tr>
<td>71</td>
<td>SRDF/A LIMBO AND LINKS TAKEN OFFLINE</td>
</tr>
<tr>
<td>8X</td>
<td>NEAR CACHE LIMIT</td>
</tr>
</tbody>
</table>

Action
Depending on the MESSAGE_PROCESSING initialization parameter, the SIM message may be saved by SRDF Host Component for later display using the #SQ MSG command. Issue an #SQ MSG,ALL command for further information about the error.

EMCAL00E
RCVT FAILED VALIDATION. AN INTERNAL ALIAS TABLE NOT BUILT

Cause
ALIAS= was specified but the RCVT table ID is invalid.
EMCAL01E

ADDRESS OF THE ALIAS TABLE NOT FOUND. AN INTERNAL ALIAS TABLE NOT BUILT

Cause
ALIAS= was specified but the alias table was not found.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCAL02E

EMCALIAS RETURN CODE=XXXXX, REASON CODE=XXXXX

Cause
The internal table ID failed validation.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCAL03E

UNABLE TO OBTAIN STORAGE FOR THE INTERNAL ALIAS TABLE

Cause
There was insufficient private area storage to hold the ALIAS table.

Action
Increase the REGION parameter on the EMCINIT procedure. REGION=0m is recommended.
EMCCC21E
SCCNFG ACTION NOT FOUND

Cause
This message denotes an internal error in SRDF Host Component.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCCC22E
SCCNFG RATE NOT FOUND

Cause
This message denotes an internal error in SRDF Host Component.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCCC23E
ADCOPY_MAX_SKEW NOT SUPPORTED AT THIS MICROCODE LEVEL

Cause
An #SC CNFG, cuu, ADCOPY_MAX_SKEW command was issued for a storage system that was at Enginuity 5061 or a later level of the operating environment.

Action
Use the #SC VOL, cuu, ADC_MAX command for this device.

EMCCC24E
ADCOPY_GLOBAL_RATE NOT SUPPORTED AT THIS MICROCODE LEVEL

Cause
An #SC CNFG, cuu, ADCOPY_GLOBAL_RATE command was specified, but the storage system is at an operating environment level other than 5060.

Action
Use #SC VOL, cuu, ADCOPY_RATE for this device.
EMCCC30W

SYNCH_DIRECTION SET AT THE CNFG LEVEL WILL NOT CHANGE THE SYNCH_DIRECTION SET AT THE RDFGRP LEVEL. RDFGRP nn WILL NOT BE CHANGED BY THIS COMMAND

Cause
An #SC CNFG,dddd,SYNCH_DIRECTION,yyyy command has been issued to a storage system that has at least one SRDF group that has SYNCH_DIRECTION set at the SRDF group level. This message is issued listing all SRDF groups that meet this condition.

Action
If you want the current command to change the entire storage system, then issue an #SC RDFGRP,dddd,xx,SYNCH_DIRECTION,CNFG command for each SRDF group listed in the message. If you want the current command to not change the SYNCH_DIRECTION for SRDF group nn, ignore this message.

EMCCF00I

Devices are R1 on at least one mirror

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the !R1 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF01I

Devices are not R1 on any mirror

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the R1 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF02I

Devices are R2 on at least one mirror
Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the !R2 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF03I

Devices are not R2 on any mirror

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the R2 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF04I

Devices are R11

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the !R11 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF05I

Devices are not R11

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the R11 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF06I

Devices are R21
Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the !R21 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF08I

Devices are R22

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the !R22 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF09I

Devices are not R22

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the R22 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF0AI

Devices are valid R22 devices

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the !R22 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF0BI

Devices are not valid R22 devices
Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the R22 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF0CI

Devices are in adaptive copy write pending mode

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the !AW filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF0DI

Devices are not in adaptive copy write pending mode

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the AW filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF0EI

Devices are in adaptive copy disk mode

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the !AD filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF0FI

Devices are not in adaptive copy disk mode

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the AD filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.
Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the AD filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF10I

Devices are diskless

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the !DL filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF11I

Devices are not diskless

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the DL filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF12I

Devices are thin devices

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the !TH filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF13I

Devices are not thin devices
Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the TH filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF14I

Devices are BCV devices

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the !BC filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF15I

Devices are not BCV devices

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the BC filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF16I

Devices are in a ConGroup

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the !CG filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF17I

Devices are not in a ConGroup
**Cause**
An #SC VOL command was issued with the SELECT keyword parameter specifying the CG filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

**Action**
None.

**EMCCF18I**

| Devices are cache-only |

**Cause**
An #SC VOL command was issued with the SELECT keyword parameter specifying the !CO filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

**Action**
None.

**EMCCF19I**

| Devices are not cache-only |

**Cause**
An #SC VOL command was issued with the SELECT keyword parameter specifying the CO filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

**Action**
None.

**EMCCF1AI**

| Devices are consistency exempt |

**Cause**
An #SC VOL command was issued with the SELECT keyword parameter specifying the !CX filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

**Action**
None.

**EMCCF1BI**

| Devices are not consistency exempt |
Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the CX filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF1CI

EMCCF1DI

EMCCF1EI

EMCCF1FI

EMCCF2CI

EMCCF2DI

EMCCF2EI

EMCCF2FI
Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the FB filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF20I

Cause
Devices are FBA Meta devices

EMCCF21I

Cause
Devices are not FBA Meta devices

EMCCF22I

Cause
Devices are FBA Meta head devices

EMCCF23I

Cause
Devices are not FBA Meta head devices
Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the MH filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF24I

| Devices are FBA Meta members |

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the !MM filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF25I

| Devices are not FBA Meta members |

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the MM filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF28I

| Devices are R1 capable |

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the !Y1 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF29I

| Devices are not R1 capable |
Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the Y1 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF2CI
Devices are R2 capable

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the !R2 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF2DI
Devices are not R2-capable

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the R2 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF30I
Devices are EAS devices

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the !EA filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF31I
Devices are not EAS devices
**EMCCF32I**

Devices are file system devices

**Cause**
An #SC VOL command was issued with the SELECT keyword parameter specifying the EA filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

**Action**
None.

**EMCCF33I**

Devices are not file system devices

**Cause**
An #SC VOL command was issued with the SELECT keyword parameter specifying the FS filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

**Action**
None.

**EMCCF34I**

Devices have invalid tracks

**Cause**
An #SC VOL command was issued with the SELECT keyword parameter specifying the !IT filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

**Action**
None.

**EMCCF35I**

Devices have no invalid tracks
**Cause**
An #SC VOL command was issued with the SELECT keyword parameter specifying the IT filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

**Action**
None.

---

**EMCCF36I**

**Cause**
Devices have R1 invalid tracks

**Action**
None.

---

**EMCCF37I**

**Cause**
Devices have no R1 invalid tracks

**Action**
None.

---

**EMCCF38I**

**Cause**
Devices have R2 invalid tracks

**Action**
None.

---

**EMCCF39I**

**Cause**
Devices have no R2 invalid tracks

**Action**
None.
Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the I2 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF3AI

| Devices have a link-blocked mirror |

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the LB filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF3BI

| Devices have no link-blocked mirror |

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the LB filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF3CI

| Devices are power vault devices |

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the !PV filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF3DI

| Devices are not power vault devices |
Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the PV filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF3EI

Devices are RAID5

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the !R5 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF3FI

Devices are not RAID5

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the R5 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF40I

Devices are RAID6

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the !R6 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF41I

Devices are not RAID6
EMCCF42I

Devices have status NR

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the R6 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF43I

Devices do not have status NR

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the !NR filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF44I

Devices have status R/W

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the !RW filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF45I

Devices do not have status R/W
Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the RW filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF46I

Devices have status R/O

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the !RO filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF47I

Devices do not have status R/O

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the RO filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF48I

Devices have status RWD

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the !WD filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF49I

Devices do not have status RWD
### Cause
An `#SC VOL` command was issued with the `SELECT` keyword parameter specifying the WD filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

### Action
None.

#### EMCCF4AI

<table>
<thead>
<tr>
<th>Cause</th>
<th>Devices are RAID10</th>
</tr>
</thead>
</table>

#### EMCCF4BI

<table>
<thead>
<tr>
<th>Cause</th>
<th>Devices are not RAID10</th>
</tr>
</thead>
</table>

#### EMCCF50I

<table>
<thead>
<tr>
<th>Cause</th>
<th>Devices have status UNR</th>
</tr>
</thead>
</table>

#### EMCCF51I

<table>
<thead>
<tr>
<th>Cause</th>
<th>Devices do not have status UNR</th>
</tr>
</thead>
</table>
Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the UNR filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

**EMCCF52I**

Devices have status TNR

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the !TNR filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

**EMCCF53I**

Devices do not have status TNR

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the TNR filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

**EMCCF54I**

Devices have status RNR

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the !RNR filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

**EMCCF55I**

Devices do not have status RNR
Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the RNR filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF56I

Devices are thin unbound devices

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the !UB filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF57I

Devices are not thin unbound devices

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the UB filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF58I

Devices are thin host-accessible devices

Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the !BD filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCF59I

Devices are not thin host-accessible devices
Cause
An #SC VOL command was issued with the SELECT keyword parameter specifying the BD filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action
None.

EMCCL00E
SPECIFIED DIRECTOR NUMBER NOT AN RA, ACTION NOT PERFORMED

Cause
An #SC LINK,p1,p2,p3 command was issued with p1=cuu,p2=RAdir#, and p3=ONLINE/OFFLINE parameters.

Action
Issue the #SQ LINK,p1 command to find out the director number, and reenter the command.

EMCCL01R
SRDF IS GOING TO ALTER THE STATE OF AN RA LINK, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause
An #SC LINK,p1,p2,p3 command was issued with p1=cuu,p2=RAdir#, and p3=ONLINE/OFFLINE parameters.

Action
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCL06E
LINK DIRECTOR xx ALREADY OFFLINE

Cause
An #SC LINK,cuu,...,OFFLINE command was requested; however, the director is already offline.

Action
Check the cuu and the director number. Check the SYSLOG for previously issued #SC LINK commands.
EMCCL07E

NO LINK DIRECTORS FOUND, REQUEST ABORTED

Cause
An #SC LINK, cuu command was specified, but no remote link directors were found.

Action
Specify the command again to an SRDF storage system.

EMCCL08E

LINK DIRECTOR xx ALREADY ONLINE

Cause
An #SC LINK, cuu,dir#,ONLINE command was issued for a link that is already online.

Action
Issue an #SQ LINK, cuu command to determine the current status of the link.

EMCCL10W

CONFIGURE LINK PENDING FOR DIRECTOR xx

Cause
An #SC LINK, cuu command was specified, and the requested director failed to go online or offline within 30 seconds.

Action
Continue to monitor the status of the links. If the links fail to go online/offline, contact the Dell EMC Customer Support Center for technical assistance.

EMCCL11E

No director/ports eligible for action

Cause
An SRDF Host Component command was issued but no directors or ports were found eligible for the specified action.

Action
Correct the specification and retry.

EMCCL78I

REQUESTED DIRECTORS PORTS
HC_dir#(SymmWin_dir#)-port#
**Cause**
Lists ports on remote link directors for which a state change has been requested using the #SC LINK command with the port parameter specified.

Ports are presented in the format \textit{HC\	extunderscore dir\#(SymmWin\	extunderscore dir\#)-port\#} separated with semicolon.

Where:
- \textit{HC\	extunderscore dir\#} is the SRDF Host Component director number (hexadecimal).
- \textit{SymmWin\	extunderscore dir\#} is the SymmWin director number.
- \textit{port\#} is the hexadecimal port number for the specified \textit{HC\	extunderscore dir\#}.

**Action**
None.

**EMCCL79I**

<table>
<thead>
<tr>
<th>COMPLETED DIRECTORS PORTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>\textit{HC\	extunderscore dir#(SymmWin\	extunderscore dir#)-port#}</td>
</tr>
</tbody>
</table>

**Cause**
Lists ports on remote link directors for which a state change has been completed using the #SC LINK command with the port parameter specified.

Ports are presented in the format \textit{HC\	extunderscore dir\#(SymmWin\	extunderscore dir\#)-port\#} separated with semicolon.

Where:
- \textit{HC\	extunderscore dir\#} is the SRDF Host Component director number (hexadecimal).
- \textit{SymmWin\	extunderscore dir\#} is the SymmWin director number.
- \textit{port\#} is the hexadecimal port number for the specified \textit{HC\	extunderscore dir\#}.

**Action**
None.

**EMCCM01I**

For local device, mirror already exists in specified RDF group

**Cause**
An #SC VOL CREATEPAIR or CASCRE action was requested. This message is followed by a list of devices that could not be processed because they already are paired with a remote mirror in the SRDF group specified in the command.

**Action**
No pairs were created for the listed devices. To create the device pairs as specified in the command, first eliminate the pairing of the listed devices by means of DELETEPAIR, HDELETEPAIR or CASDEL.
For remote device, mirror already exists in specified RDF group

**Cause**
An #SC VOL CREATEPAIR action was requested. Following this message is a list of devices that could not be processed because they already are paired with a remote mirror in the other-side SRDF group of the SRDF group specified in the command.

**Action**
No pairs were created for the listed devices. To create the device pairs as specified in the command, first eliminate the pairing of the listed devices by means of DELETEPAIR or HDELETEPAIR.

Swap of local device would create invalid R21 state

**Cause**
An #SC VOL SWAP or HSWAP action was requested. Following this message is a list of devices that could not be processed because the swap would result in a cascaded (R21) device which is disallowed because the device is on a storage system with an operating environment level lower than 5773.

**Action**
Examine each listed device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, perform additional device processing to address the situation.

Swap of remote device would create invalid R21 state

**Cause**
An #SC VOL SWAP action was requested. Following this message is a list of devices that could not be processed because the swap would result in a cascaded (R21) device which is disallowed because the device is on a storage system with an operating environment level lower than 5773.

**Action**
Examine each listed device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, perform additional device processing to address the situation.

Local and remote devices both R1
**Cause**
A dynamic SRDF action (SWAP, DELETEPAIR, or MOVEPAIR) was requested. Following this message is a list of devices that could not be processed because both the local device and its remote partner device are primary devices (R1s). This state can occur if the device or its partner has previously been the object of an HSWAP action.

**Action**
Examine each listed device to determine whether the corresponding half-action should be attempted instead. Alternatively, an HSWAP action could be performed on one or the other device of the pair to create a valid SRDF pair that may then be processed by the original action. If desired, take the corrective action and then reissue the command.

---

**EMCCM06E**

Local and remote devices both R2

**Cause**
A dynamic SRDF action (SWAP, DELETEPAIR, or MOVEPAIR) was requested. Following this message is a list of devices that could not be processed because both the local device and its remote partner device are secondary devices (R2s). This state can occur if the device or its partner has previously been the object of an HSWAP action.

**Action**
Examine each listed device to determine whether the corresponding half-action should be attempted instead. Alternatively, an HSWAP action could be performed on one or the other device of the pair to create a valid SRDF pair that may then be processed by the original action. If desired, take the corrective action and then reissue the command.

---

**EMCCM07I**

Local device will be R21, not supported

**Cause**
An #SC VOL SWAP, HSWAP, or CREATEPAIR action was requested. Following this message is a list of devices on the local side of the action that could not be processed because the action would result in a cascaded (R21) device which is not supported in the current configuration.

**Action**
Examine each listed device to determine whether the device’s exclusion from processing is an undesirable situation. If necessary, perform additional device processing to address the situation.

---

**EMCCM08I**

Remote device will be R21, not supported
**Cause**
An #SC VOL SWAP, HSWAP, or CREATEPAIR action was requested. Following this message is a list of devices on the remote side of the action that could not be processed because the action would result in a cascaded (R21) device which is not supported in the current configuration.

**Action**
Examine each listed device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, perform additional device processing to address the situation.

---

**EMCCM09I**

Local device will be R22, not supported

**Cause**
An #SC VOL SWAP, HSWAP, or CREATEPAIR action was requested. Following this message is a list of devices on the local side of the action that could not be processed because the action would result in a concurrent R22 device which is not supported in the current configuration.

**Action**
Examine each device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, perform additional device processing to address the situation.

---

**EMCCM0AI**

Local device or mirror in offline RDF group

**Cause**
An #SC VOL action was requested. Following this message is a list of devices on the local side of the action that could not be processed because the SRDF group associated with the device mirror to be processed was offline. This results if no remote link director associated with the SRDF group is online and connected.

**Action**
Examine each listed device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, determine whether the unavailability of remote link directors is due to a severing of the physical connection to the remote storage system.

---

**EMCCM0BE**

Devices to be R21 in cascaded triplet not std

**Cause**
An #SC VOL command with the CASCRE action has requested the creation of cascaded triplets. However, the partners of the devices listed, which will be the middle devices in the cascaded triplets, already have a remote mirror. The CASCRE action
would require two new remote mirrors for the partner devices, and a device may not have three remote mirrors. Consequently, the request fails.

**Action**

Either delete the pair of which the devices in question are partners or do not specify the devices as the middle devices in a CASCRE action.

---

**EMCCM0CE**

**No free mirror slot for Lcl device**

**Cause**

An `#SC VOL CREATEPAIR` or CASCRE action was requested. Following this message is a list of devices on the local side of the action that could not be processed because no mirror position is available for a new remote mirror for the device. (Four mirror positions are available for a device; two of these may be for remote mirrors.)

**Action**

For each listed device, issue an `#SQ MIRROR` command to determine the usage of the device mirrors. If a mirror position is utilized by a BCV relationship, terminate it if appropriate by issuing a TimeFinder SPLIT command. If an SRDF remote mirror is not needed, eliminate it by issuing an `#SC VOL DELETEPAIR` action.

---

**EMCCM0CI**

**No free mirror slot for Lcl device**

**Cause**

An `#SC VOL CREATEPAIR` or CASCRE action was requested. Following this message is a list of devices on the local side of the action that could not be processed because no mirror position is available for a new remote mirror for the device. (Four mirror positions are available for a device; two of these may be for remote mirrors.)

**Action**

For each listed device, issue an `#SQ MIRROR` command to determine the usage of the device mirrors. If a mirror position is utilized by a BCV relationship, terminate it if appropriate by issuing a TimeFinder SPLIT command. If an SRDF remote mirror is not needed, eliminate it by issuing an `#SC VOL DELETEPAIR` action.

---

**EMCCM0DI**

**No free mirror slot for Rmt partner of Lcl device**

**Cause**

An `#SC VOL CREATEPAIR` or CASCRE action was requested. Following this message is a list of devices on the local side of the action whose intended partner that could not be processed because no mirror position is available for a new remote mirror for the remote device. (Four mirror positions are available for a device; two of these may be for remote mirrors.)
Action
For each listed device, issue an #SQ MIRROR command to determine the usage of the device mirrors of the intended device partner. If a mirror position is utilized by a BCV relationship, terminate it if appropriate by issuing a TimeFinder SPLIT command. If an SRDF remote mirror is not needed, eliminate it by issuing an #SC VOL DELETEPAIR action.

EMCCM0EI
Local and remote devices are different sizes

Cause
An #SC VOL CREATEPAIR, SWAP, or CASCRE action was requested. Following this message is a list of devices on the local side of the action that could not be processed because the intended partner of the device had a different size.

Action
A SWAP action is never permitted for a pair consisting of different-sized devices. However, if the action is CREATEPAIR or CASCRE, determine for each listed device whether the pairing being attempted is that intended. If so, you may specify the ADSRDF option to allow R1 devices to be paired with R2 devices the same size or larger. Note that ADSRDF has no effect if either device to be paired is diskless.

EMCCM0FI
Local device or mirror not R2

Cause
An #SC VOL action applying to secondary (R2) devices only was requested. Following this message is a list of devices on the local side of the action that could not be processed because the device is either not an SRDF device or is not secondary on the selected remote mirror. Depending on the action and options selected, the command may fail or the device may be skipped.

Action
None.

EMCCM10E
Remote device will be R22, not supported or invalid.

Cause
An #SC VOL SWAP, HSWAP, CASCRE, or CREATEPAIR action was requested. Following this message is a list of devices on the remote side of the action that could not be processed because the action would result in a concurrent R22 device which is not supported in the current configuration.

Action
Examine each listed device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, perform additional device processing to address the situation.
Remote device will be R22, not supported or invalid.

**Cause**
An #SC VOL SWAP, HSWAP, CASCRE, or CREATEPAIR action was requested. Following this message is a list of devices on the remote side of the action that could not be processed because the action would result in a concurrent R22 device which is not supported in the current configuration.

**Action**
Examine each listed device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, perform additional device processing to address the situation.

R2 device will be R21, not in ADCOPY-DISK mode

**Cause**
An #SC VOL SWAP, HSWAP, or CREATEPAIR action was requested. Following this message is a list of devices on the local side of the action that could not be processed because the device becoming a secondary (R2) device is already a primary (R1) device in a pairing which is not in ADCOPY-DISK mode.

**Action**
Examine each listed device to determine whether the device's current SRDF relationship should be modified to allow the action, for example, by setting it to ADCOPY-DISK mode. Make the modification and reissue the command.

R1 device will be R21, ADCOPY-DISK not requested

**Cause**
An SC VOL command was issued with a CREATEPAIR or SWAP action which results in an R21. The resulting R1 to R2 leg must be in ADCOPY-DISK mode but the ADCOPY-DISK flag was not specified.

**Action**
Re-issue the SC VOL command with the ADCOPY_DISK action; for example, CREATEPAIR(ADCOPY_DISK).
**EMCCM13I**

**Partner of R1 not cascaded**

**Cause**
A composite action (CASDEL, CASSWAP, CASSUSP, or CASRSUM) was requested. Following this message is a list of devices on the local side of the action that could not be processed because, although the device is paired, the partner device is not cascaded (R21).

**Action**
Examine each listed device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, perform additional device processing to address the situation.

**EMCCM14I**

**Lcl device or mirror not R1**

**Cause**
A dynamic SRDF or composite action was requested. Following this message is a list of devices on the local side of the action that could not be processed because they, or the mirror designated by the specified SRDF group, are not primary (R1) devices as required by the particular action.

**Action**
Examine each listed device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, perform additional device processing to address the situation.

**EMCCM15I**

**Lcl device or mirror is SRDF/A**

**Cause**
A dynamic SRDF or composite action was requested. Following this message is a list of devices on the local side of the action that could not be processed because they, or the mirror designated by the specified RDF group, are under SRDF/A protection which would be adversely affected by the action. Mitigating settings that would have
permitted the action, either specification of the CEXMPT action modifier or the tolerance mode flag in the SRDF/A group, are absent.

**Action**
Examine each listed device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, perform additional device processing to address the situation. For example, you may specify the CEXMPT action modifier in the command or set tolerance mode for the underlying SRDF group, and then reissue the command.

---

**EMCCM16E**

**RDF_SUSP failed**

**Cause**
A CASSUSP action was requested. Following this message is a list of devices for which the component action RDF_SUSP was unsuccessful.

**Action**
Determine the cause of the failure and the current state of the triplet of which the indicated device is a part. As appropriate, issue commands to perform a backout or to complete the incomplete action in the event that the composite action has partially completed.

---

**EMCCM17E**

**RDF_RSUM failed**

**Cause**
A CASRSUM action was requested. Following this message is a list of devices for which the component action RDF_RSUM was unsuccessful.

**Action**
Determine the cause of the failure and the current state of the triplet of which the indicated device is a part. As appropriate, issue commands to perform a backout or to complete the incomplete action in the event that the composite action has partially completed.

---

**EMCCM18I**

**Device not part of a valid pair**

**Cause**
A dynamic SRDF action (SWAP, DELETEPAIR, or MOVEPAIR) was requested. Following this message is a list of devices that could not be processed because the remote partner of the device has no remote mirror. This state can occur if an HDELETEPAIR has been performed for all of the remote partner's remote mirrors.

**Action**
Examine each listed device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, perform additional device processing to address the situation.
EMCCM19I

Local device not RDF

**Cause**
A dynamic SRDF action was requested. Following this message is a list of devices that could not be processed because the local device is neither a primary (R1) device or a secondary (R2) device. This state can occur if the device has never been paired via a CREATEPAIR action or when DELETEPAIR or HDELETEPAIR has been performed for all of the device's remote mirrors.

**Action**
Examine each listed device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, perform additional device processing to address the situation.

EMCCM1AI

Devices bypassed because R1 is not TNR

**Cause**
An #SC VOL command was issued with an action that can take place only when the R1 devices involved are suspended. During the validation phase, the devices listed or their remote partners were found to be ready on the link, and are therefore ineligible to be processed. Consequently, these devices are skipped.

**Action**
None.

EMCCM1BI

Devices to be switched not R22

**Cause**
An #SC VOL command was issued with the R22SWTCH action. However, the devices listed are not R22 devices so the action does not apply to them. Consequently, these devices are skipped.

**Action**
None.

EMCCM1CI

Blocked mirror not in specified RDF group

**Cause**
An #SC VOL command was issued with the R22SWTCH action and the GRPONLY option. However, for the R22 devices listed, the link-blocked R2 mirror is not in the
specified SRDF group, so the action does not apply to those devices. Consequently, these devices are skipped.

**Action**
None.

---

**EMCCM1DE**

R2 of pair to be resumed blocked, R22ACT not specified

**Cause**
An #SC VOL command was issued with the RESUMEPAIR action. However, for the R1 devices listed, the R2 device is link-blocked and the R22ACT option was not specified. Consequently, for these device pairs, the pair cannot be resumed, so the R1 devices listed are skipped.

**Action**
If necessary, include the R22ACT option and reissue the command.

---

**EMCCM1EE**

Thick device violates thin-thick pairing rule

**Cause**
An SC VOL command with a CREATEPAIR or CASCRE action was issued and the pair to be created would include a thin device and standard (thick) device. However, the standard devices listed were found to violate one or more of the following rules, which govern the creation of such thick-thin device pairs:

- The standard device may reside only on a storage system at Enginuity 5875 or a later level of the operating environment, 5773 (with patch 50154), or 5671.
- The standard device may not be a CKD device, but must be FBA.
- If the standard device resides on a storage system at Enginuity 5671, it may not be an R21 device.
- If the standard device resides on a storage system at Enginuity 5671 and is diskless, it may not be an R21 device.

Command processing is terminated at the completion of validation processing.

**Action**
Exclude the devices causing the error from the device range specified in the command.

---

**EMCCM1FE**

Thin device violates thin-thick pairing rule

**Cause**
An SC VOL command with a CREATEPAIR or CASCRE action was issued and the pair to be created would include a thin device and standard (thick) device. However, the thin devices listed were found to violate one or more of the following rules, which govern the creation of such thick-thin device pairs:
The thin device may reside only on a storage system at Enginuity 5875 or a later level of the operating environment.

- The thin device may not be an CKD device, but must be FBA.
- The thin device may not be an R22 device.

Command processing is terminated at the completion of validation processing.

**Action**
Exclude the devices causing the error from the device range specified in the command.

---

**EMCCM20I**

Remote device not RDF

**Cause**
A dynamic SRDF action (SWAP/HSWAP, DELETEPAIR/HDELETEPAIR, or MOVEPAIR/HMOVEPAIR) was requested. Following this message is a list of devices that could not be processed because the remote device of the pair is neither a primary (R1) device or a secondary (R2) device. This state can occur if DELETEPAIR or HDELETEPAIR has been performed for all of the remote device's remote mirrors.

**Action**
Examine each listed device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, perform additional device processing to address the situation.

---

**EMCCM21I**

No remote mirror matching specified RDF group

**Cause**
A dynamic SRDF action (SWAP/HSWAP, DELETEPAIR/HDELETEPAIR, or MOVEPAIR/HMOVEPAIR) was requested using an #SC VOL command that included a LCL or RMT keyword. These keywords require specifying an SRDF group from which remote mirrors are to be selected. Following this message is a list of devices that could not be processed because no remote mirror for the device was in the specified SRDF group.

**Action**
Examine each listed device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, perform additional device processing to address the situation.

---

**EMCCM22I**

R1 devices are not suspended

**Cause**
A dynamic SRDF or composite action was requested. Following this message is a list of devices on the local side of the action that could not be processed because they or...
their partners are primary (R1) devices that are not suspended, as required by the particular action.

**Action**
Examine each listed device to determine whether the device’s exclusion from processing is an undesirable situation. If necessary, perform an RDF_SUSP for the listed devices and reissue the command.

---

**EMCCM23I**

Group not specified for concurrent R1 device

**Cause**
An #SC VOL command was issued. Following this message is a list of devices that could not be processed because they are concurrent devices. (A concurrent device is a device that has two remote mirrors, each in a different SRDF group.) The action specified in the command can be applied to only a single remote mirror of a device. However, no SRDF group was specified in the command, so for each of the listed device numbers, SRDF Host Component cannot determine the remote mirror on which to act.

**Action**
Reissue the command, specifying an SRDF group with the LCL keyword.

---

**EMCCM25I**

R22 mirror partners are mirrors on same R11

**Cause**
An #SC VOL command was issued which would cause the creation of an R22 device. However, the remote partner of each remote mirror of the R22 device would be the same R1 device. This configuration is not permitted, so for each of the listed device numbers, the command is not issued.

**Action**
Create R22 devices in the context of a standard 3-site configuration.

---

**EMCCM2AE**

R21 device remote mirrors on same Symm

**Cause**
An #SC VOL command was issued for a SWAP, HSWAP, or CREATEPAIR. However, during command validation, it was determined that the command would result in the creation of a local R21 device, both of whose remote mirrors would reside on the same storage system. This loopback condition is not permitted. Consequently, the command has failed.

**Action**
Do not attempt to configure an R21 device in this way.
**EMCCM2BE**

**Partner R21 device remote mirrors on same Symm**

**Cause**
An #SC VOL command was issued for a SWAP, HSWAP, or CREATEPAIR. However, during command validation, it was determined that the command would result in the creation of a remote R21 device, both of whose remote mirrors would reside on the same storage system. This loopback condition is not permitted. Consequently, the command has failed.

**Action**
Do not attempt to configure an R21 device in this way.

**EMCCM2CI**

**Lcl device already has mirror in MOVEPAIR target group**

**Cause**
An #SC VOL command with the MOVEPAIR action was issued. However, each of the devices listed already has a remote mirror in the specified target SRDF group. Consequently, the request has failed for the indicated device or pair.

**Action**
Either eliminate the problematic remote mirrors by specifying the DELETEPAIR, HDELETEPAIR, CASDEL, MOVEPAIR or HMOVEPAIR action and reissue the command, or do not include the devices in the command device range.

**EMCCM2DI**

**Rmt device already has mirror in MOVEPAIR target group**

**Cause**
An #SC VOL command with the MOVEPAIR action was issued. However, each of the devices listed already has a remote mirror in the other-side SRDF group of specified target SRDF group. Consequently, the request has failed for the indicated devices.

**Action**
Either eliminate the problematic remote mirrors by specifying the DELETEPAIR, HDELETEPAIR, CASDEL, MOVEPAIR, or HMOVEPAIR action and reissue the command, or do not include the devices in the command device range.

**EMCCM2EI**

**Devices diskless, adding to non-diskless SRDF/A**

**Cause**
An #SC VOL command with the CREATEPAIR or MOVEPAIR action was issued. Each of the devices listed is a local device, either a diskless device being paired (if
LCLISR1 was specified or defaulted), a partner of a diskless device being paired (if LCLISR2 was specified), a diskless R1 device in a pair whose SRDF group is to be changed, or the partner of a diskless R1 device whose SRDF group is to be changed. However, there is an active SRDF/A session on the target SRDF group of the action, and this SRDF/A session has non-diskless devices. The action would thus result in an SRDF/A session with both diskless and non-diskless device, which is not permitted. Consequently, the action has failed.

**Action**
Check that the correct gatekeeper, SRDF group, and devices were specified in the command. If all parameters are correct, examine your configuration and select an appropriate course of action, bearing in mind the non-mixed device requirement of SRDF/A and your SRDF group composition requirements.

---

**EMCCM2FI**

**Devices not diskless, adding to diskless SRDF/A**

**Cause**
An #SC VOL command with the CREATEPAIR or MOVEPAIR action was issued. Each of the devices listed is a local device, either a non-diskless device being paired (if LCLISR1 was specified or defaulted), a partner of a non-diskless device being paired (if LCLISR2 was specified), a non-diskless R1 device in a pair whose SRDF group is to be changed, or the partner of a non-diskless R1 device whose SRDF group is to be changed. However, there is an active SRDF/A session on the target SRDF group of the action, and this SRDF/A session has diskless devices. The action would thus result in an SRDF/A session with both diskless and non-diskless device, which is not permitted. Consequently, the action has failed.

**Action**
Check that the correct gatekeeper, SRDF group, and devices were specified in the command. If all parameters are correct, examine your configuration and select an appropriate course of action, bearing in mind the non-mixed device requirement of SRDF/A and your SRDF group composition requirements.

---

**EMCCM30I**

**Device will be R22, Enginiuity level not 5874**

**Cause**
An #SC VOL command was issued which would cause the creation of an R22 device. However, the device would reside on a storage system whose operating environment level does not support R22 devices. The command is rejected. Each of the device numbers listed is that of a device that was to become an R22 device.

**Action**
Create R22 devices on a storage system on which such a device is supported.

---

**EMCCM31I**

**Device partner will be R22, Enginiuity level not 5874**
**Cause**

An `#SC VOL` command was issued which would cause the creation of an R22 device. However, the device would reside on a storage system whose operating environment level does not support R22 devices. The command is rejected. Each of the device numbers listed is that of the partner of a device that was to become an R22 device.

**Action**

Create R22 devices on a storage system on which such a device is supported.

---

**EMCCM32I**

R2 device will be R21, not in ADCOPY mode

**Cause**

An `#SC VOL` command was issued which would cause an already-paired diskless R1 device to become an R21 cascaded device. However, for each of the device numbers listed, the existing device pair is not in ADCOPY write-pending mode, so the R21 <-> R2 pair would likewise not be in ADCOPY write-pending mode, which is a requirement for diskless cascaded devices. The command is skipped for each device listed.

**Action**

Modify existing pairs by issuing an `#SC VOL` command with the ADCOPY action. Then reissue the original command.

---

**EMCCM33I**

R1 device will be R21, ADCOPY not requested

**Cause**

An `#SC VOL` command was issued which would result in the creation of an R21 <-> R2 pair with the R21 device diskless. However, the ADCOPY flag was not specified in the command, so for each of the device numbers listed, the R21 <-> R2 pair would not be in ADCOPY write-pending mode, which is a requirement for diskless cascaded devices. The command is skipped for each device listed.

**Action**

Reissue the command, specifying the ADCOPY flag.

---

**EMCCM34I**

DRDF non-composite action, Lcl device diskless

**Cause**

An `#SC VOL` command was issued which would result in the creation of one or more R1 <-> R2 or R1 <-> R21 device pairs with the R1 device diskless. This is not permitted, so the command is skipped for each device listed.

**Action**

Redetermine the intended device configuration and issue the necessary command.
EMCCM35I

DRDF non-composite action, Rmt device diskless

Cause
An #SC VOL command was issued which would result in the creation of one or more R21<->R2 or R1<->R2> device pairs with the R2 device diskless. This is not permitted, so the command is skipped for each device listed.

Action
Redetermine the intended device configuration and issue the necessary command.

EMCCM36I

CASCRE action, Lcl device diskless

Cause
An #SC VOL command with the CASCRE action was issued which, for one or more instances, would result in a cascaded triplet with the local device (which may be R1 or R2) diskless. This is not permitted, so the command is skipped for each device listed.

Action
Redetermine the intended device configuration and issue the necessary command.

EMCCM37I

CASCRE action, Far device diskless

Cause
An #SC VOL command with the CASCRE action was issued which, for one or more instances, would result in a cascaded triplet with the far device (which may be R1 or R2) diskless. This is not permitted, so the command is skipped for each device listed.

Action
Redetermine the intended device configuration and issue the necessary command.

EMCCM38I

CREATEPAIR action, both partners diskless

Cause
An #SC VOL command with the CREATEPAIR action was issued which, for one or more instances, would result in an R1<->R2 pair with both the R1 and the R2 diskless. This is not permitted, so the command is skipped for each device listed.

Action
Redetermine the intended device configuration and issue the necessary command.
EMCCM39I

CREATEPAIR denied, SRDF/A active on target RDF group xx

**Cause**
An #SC VOL command with the CREATEPAIR action was issued. The SRDF group specified in the command has SRDF/A active, but tolerance mode is off and the CEXMPT flag was not specified. This is not permitted, so the command fails.

**Action**
If appropriate, set tolerance mode on for the SRDF/A session or specify the CEXMPT flag in the command, and reissue the command.

EMCCM3AI

R22 devices not validated, cannot be activated

**Cause**
An #SC VOL command was issued for an action whose completion involves the resumption of SRDF activity of one or more device pairs. However, for the devices listed, the secondary device of each pair is an R22 device for which the R2 mirror participating in the action is inactive. Validation of the R22 devices to ensure the existence of a corresponding unique R11 source device for both R2 mirrors has failed. Consequently, activation of the participating R2 mirror could not take place, and the command has failed for the listed devices.

**Action**
Configure the R22 devices so that validation will succeed. Validation of R22 devices is described in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide. Once this has been done, reissue the command.

EMCCM3BE

Device valid in Env 1, not Env 2

**Cause**
An #SC VOL composite action was requested. Following this message is a list of R21 devices (or for CASCRE, devices to become R21 devices) that were successfully validated in environment 1 but not in environment 2. Because of this discrepancy, the action fails.

**Action**
For each listed device, examine other messages that were issued during command validation to determine the reason for validation failure. After taking corrective action, reissue the command.
EMCCM3CE

Device valid in Env 2, not Env 1

Cause
An #SC VOL composite action was requested. Following this message is a list of R21 devices (or for CASCRE, devices to become R21 devices) that were successfully validated in environment 2 but not in environment 1. Because of this discrepancy, the action fails.

Action
For each listed device, examine other messages that were issued during command validation to determine the reason for validation failure. After taking corrective action, reissue the command.

EMCCM3DI

Devices ready, not resumed

Cause
An #SC VOL command with the CASRSUM or RDF_RSUM action was issued. Each of the devices listed is an R1 device on the applicable mirror and is ready on the link. Consequently, the listed devices will not be processed.

Action
None. This message is informational only.

EMCCM3EI

Second RDF relationship between same devices denied

Cause
An #SC VOL command was issued with a CREATEPAIR action. The devices listed are already paired with the device with which the command is attempting to pair them. The command has consequently failed for these devices.

Action
Check the device range, the SRDF group, and the gatekeeper specified in the command. If necessary, make appropriate corrections and reissue the command.

EMCCM3FI

CEXMPT suppressed for devices

Cause
An #SC VOL command was issued with an action specifying the CEXMPT option. However, for the devices listed, SRDF/A is not active on the applicable SRDF group. Consequently, the CEXMPT option is not needed for these devices, and has been suppressed.
**EMCCM40I**

*Local devices owe invalid tracks to the remotes*

**Cause**
An #SC VOL command was issued with an action that is denied if any devices in the device range have invalid tracks and the FORCE option is not specified. The local devices listed were found to have invalid tracks. Consequently, the command has been terminated following completion of device validation.

**Action**
If appropriate, specify the FORCE option. Otherwise, determine the reason that invalid tracks were found.

**EMCCM41I**

*Remote devices have invalid tracks*

**Cause**
An #SC VOL command was issued with an action that is denied if any devices in the device range have invalid tracks and the FORCE option is not specified. The remote partners of the devices listed were found to have invalid tracks. Consequently, the command has been terminated following completion of device validation.

**Action**
If appropriate, specify the FORCE option. Otherwise, determine the reason that invalid tracks were found.

**EMCCM42I**

*Local devices have write pendings*

**Cause**
An #SC VOL command was issued with a dynamic SRDF or composite action. However, each device listed is ineligible for processing because write pendings exist for the device.

**Action**
Write pendings are eventually converted to invalid tracks. Reissue the command after a short period of time. If the write pendings persist, contact the Dell EMC Customer Support Center for instructions in obtaining diagnostic data.

**EMCCM43I**

*Remote devices have write pendings*
**EMCCM44I**

*R2 devices are write-enabled*

**Cause**
An #SC VOL command was issued with the CASRSUM or RESUMEPAIR action. However, the R2 devices of the pairs being resumed are write-enabled (R/W state). This prevents the corresponding partner R1 devices from being resumed, so the action fails with a validation error.

**Action**
If desired, you may set the devices to a write-disabled state by issuing an #SC VOL command with the R/O action. Then reissue the original command.

**EMCCM45I**

*Lcl devices eligibile because RCVRY specified*

**Cause**
An #SC VOL command was issued with a dynamic SRDF or composite action specifying the RCVRY option. Each device listed is eligible for processing but would have been ineligible for processing if RCVRY had not been specified.

**Action**
None.

**EMCCM46I**

*Rmt devices eligibile because RCVRY specified*

**Cause**
An #SC VOL command was issued with a dynamic SRDF or composite action specifying the RCVRY option. Each device listed is eligible for processing but would have been ineligible for processing if RCVRY had not been specified.

**Action**
None.
EMCCM49E

Both devices of pair would be R21

**Cause**
An #SC VOL command was issued with a CREATEPAIR, SWAP, or CASSWAP dynamic SRDF action that would result in paired R21 devices. This configuration is not permitted, so the command has failed. The list identifies the local devices for the pairs that would have violated the R21 pairing prohibition.

**Action**
Analyze the desired configuration and adjust the command so as not to attempt creation of paired R21 devices.

EMCCM4AE

Suspend/Resume, all R1 Lcl mirrors have invalids

**Cause**
An #SC VOL command was issued with a CASSUSP or CASRSUM action. However, for a locally mirrored device, all local mirrors were found to have invalid tracks. A suspend or resume action cannot be processed in this situation. Consequently, the action has been bypassed for the listed devices.

**Action**
Reissue the command. If the problem reoccurs, contact the Dell EMC Customer Support Center for technical assistance. Be prepared to supply the serial number of the storage system on which the listed devices reside.

EMCCM4BE

Devices would be concurrent BCV

**Cause**
An #SC VOL command was issued with a CREATEPAIR or CASCRC action, but the indicated local devices to be paired are BCVs that are already paired with remote devices. A BCV may not have more than one remote mirror, so the command has failed for the indicated devices.

**Action**
Examine the command to ensure that the gatekeeper, all SRDF groups, and all device numbers specified are correct. If not, correct the error and reissue the command. Otherwise, do not attempt to create a concurrent BCV device.

EMCCM4CE

Partners of devices would be concurrent BCV
Cause
An #SC VOL command was issued with a CREATEPAIR or CASCRE action, but the indicated local devices would be paired with remote devices that are BCVs already paired with other devices. A BCV may not have more than one remote mirror, so the command has failed for the indicated devices.

Action
Examine the command to ensure that the gatekeeper, all SRDF groups, and all device numbers specified are correct. If not, correct the error and reissue the command. Otherwise, do not attempt to create a concurrent BCV device.

EMCCM4DE

Remote partner device has different partner

Cause
Devices in an action were found to have a mismatch in the remote devices. The remote partner device is actually paired with a different partner. Consequently, the local device is not part of a valid SRDF pair and is not eligible for the entered action. The devices were skipped.

Action
The devices were skipped. However, you can issue an #SC VOL command with a half action (HSWAP, HDELETEPAIR, or HMOVEPAIR) to accomplish the device state change.

EMCCM4EE

Devices eligible because GDDR specified (Lcl)

Cause
While processing an #SC VOL command, a condition that would cause the action to fail for the listed devices was ignored because that action is permitted for Dell EMC GDDR processing even when the error condition exists. The conditions that were encountered and ignored may be indicated in other messages. Other error conditions that cannot be disregarded may subsequently have been detected and caused the action to fail.

Action
None.

EMCCM4FE

Devices eligible because GDDR specified (Rmt)

Cause
While processing an #SC VOL command, a condition that would cause the action to fail for the partners of the listed devices was ignored because that action is permitted for Dell EMC GDDR processing even when the error condition exists. The conditions that were encountered and ignored may be indicated in other messages. Other error
conditions that cannot be disregarded may subsequently have been detected and caused the action to fail.

**Action**

None.

**EMCCM50I**

**Lcl devs while pairing FBA Meta/non-Meta**

**Cause**

An #SC VOL command was issued with a CREATEPAIR or CASCRE action. However, for each device listed, either the device was an FBA meta and its intended remote partner was an FBA non-meta or the device was an FBA non-meta and its intended remote partner was an FBA meta. Since such a pairing is not permitted, the listed devices are set ineligible for the action.

**Action**

Do not attempt to pair FBA meta devices with FBA non-meta devices.

**EMCCM51I**

**Lcl devs while pairing FBA/non-FBA**

**Cause**

An #SC VOL command was issued with a CREATEPAIR or CASCRE action. However, for each device listed, either the device was an FBA device and its intended remote partner was not or the listed device was not an FBA device and its intended remote partner was. Since such a pairing is not permitted, the listed devices are set ineligible for the action.

**Action**

Do not attempt to pair FBA devices with non-FBA devices.

**EMCCM52I**

**Lcl devs while pairing FBA Meta head/non-head**

**Cause**

An #SC VOL command was issued with a CREATEPAIR or CASCRE action. However, for each device listed, either the device was an FBA meta head and its intended remote partner was an FBA meta member or the device was an FBA meta member and its intended remote partner was an FBA meta head. Since such a pairing is not permitted, the listed devices are set ineligible for the action.

**Action**

Do not attempt to pair FBA meta head devices with FBA meta member devices.
EMCCM53I

Lcl devs while pairing FBA Meta unequal device counts

Cause
An #SC VOL command was issued with a CREATEPAIR or CASCRE action. However, for each device listed, the FBA meta group for the device and the FBA meta group for its intended remote partner have unequal device counts. Since only FBA meta groups with equal device counts may be paired, the listed devices are set ineligible for the action.

Action
Do not attempt to pair FBA meta groups with different device counts.

EMCCM54I

Lcl devs while pairing FBA Meta unequal stripe sizes

Cause
An #SC VOL command was issued with a CREATEPAIR or CASCRE action. However, for each device listed, the FBA meta group for the device and the FBA meta group for its intended remote partner have unequal stripe sizes. Since only FBA meta groups with equal stripe sizes may be paired, the listed devices are set ineligible for the action.

Action
Do not attempt to pair FBA meta groups with different stripe sizes.

EMCCM55I

Lcl devs while pairing FBA Meta unequal member sizes

Cause
An #SC VOL command was issued with a CREATEPAIR or CASCRE action. However, for each device listed, the FBA meta group for the device and the FBA meta group for its intended remote partner have unequal member sizes. Since only FBA meta groups with equal member sizes may be paired, the listed devices are set ineligible for the action.

Action
Do not attempt to pair FBA meta groups with different member sizes.

EMCCM56I

CASRSUM denied, R2 partner has R1 invalids
Cause
An #SC VOL command was issued with a CASRSUM action. However, invalid R1 tracks exist on the remote R2 or R21 partner of each device indicated, and the action has failed for the triplet including that device.

Action
Before resuming device pairs for which invalid R1 tracks exist on the R2 device, it is necessary to determine whether these tracks should be used to update the R1 device or whether the invalid tracks should be discarded and normal SRDF replication from the R1 to the R2 device should resume. Follow guidelines in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for making this determination and follow the procedures indicated. Then reissue the command as needed.

EMCCM57E

Lcl diskless, Rmt on pre-5773: pairing denied

Cause
An #SC VOL command with a CASCRE or CREATEPAIR action was entered. During validation, it was determined that a diskless device on the local storage system was to be paired with a device on a storage system with operating environment level lower than 5773. Such a device pair is not supported, so the command has failed. No device pairs or triplets have been created by the command. The devices listed are the local devices of the pairing attempt for which this error was detected.

Action
Do not attempt to create such device pairs or triplets. When creating device pairs via the CASCRE action in which the remote or far devices reside on a storage system with operating environment level lower than 5773, ensure that the local or remote device range contains no diskless devices. When creating device pairs via the CREATEPAIR action in which the remote devices reside on a storage system with operating environment level lower than 5773, ensure that the local device range contains no diskless devices.

EMCCM58E

Rmt diskless, Lcl on pre-5773: pairing denied

Cause
An #SC VOL command with a CASCRE or CREATEPAIR action was entered. During validation, it was determined that a diskless device on the remote or far storage system was to be paired with a device on a storage system with operating environment level lower than 5773. Such a device pair is not supported, so the command has failed. No device pairs or triplets have been created by the command. The devices listed are the local devices of the pairing attempt for which this error was detected.

Action
Do not attempt to create such device pairs or triplets. When creating device pairs via the CASCRE action in which the local or remote devices reside on a storage system with operating environment level lower than 5773, ensure that the local or remote device range contains no diskless devices. When creating device pairs via the
CREATEPAIR action in which the remote devices reside on a storage system with operating environment level lower than 5773, ensure that the local device range contains no diskless devices.

**EMCCM59E**

**Lcl cache partition group mismatch**

**Cause**
An #SC VOL command was issued with a CREATEPAIR, CASCRE, or MOVEPAIR action that would result in a device pair being added to an SRDF group in which SRDF/A is currently active. Each of the listed devices would become a local device in the SRDF/A session but is in a different cache partition group from the local devices already in the SRDF/A group. Since all devices on the local side of an SRDF/A session must have the same cache partition group, the command has failed for the indicated devices.

**Action**
If appropriate, adjust the cache partition assignments of the listed devices as described under Dynamic Cache Partitioning in the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide. Then reissue the command.

**EMCCM5AE**

**Rmt cache partition group mismatch**

**Cause**
An #SC VOL command was issued with a CREATEPAIR, CASCRE, or MOVEPAIR action that would result in a device pair being added to an SRDF group in which SRDF/A is currently active. Each of the listed devices listed would become a local device in the SRDF/A session but the device's remote partner is in a different cache partition group from the remote devices already in the SRDF/A group. Since all devices on one side of an SRDF/A session must have the same cache partition group, the command has failed for the indicated devices.

**Action**
If appropriate, adjust the cache partition assignments of the intended remote partners of the listed devices as described under Dynamic Cache Partitioning in the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide. Then reissue the command.

**EMCCM5BE**

**Patch missing for R22 support on Lcl 5773**

**Cause**
An #SC VOL command was issued with a CREATEPAIR, CASCRE, SWAP, HSWAP, or CASSWAP action that would result in the creation of one or more R22 devices on a storage system running Enginuity 5773. However, a patch that is required for support of R22 devices on the Enginuity 5773 system is missing. Consequently, the command
has failed. The devices listed are those that would become R22 devices on the Enginuity 5773 storage system that is missing the patch.

**Action**
Contact your Dell EMC Customer Support Representative to arrange for installation of the required patch. The serial number of the storage system missing the patch can be found in one of the EMCGM40I, EMCGM4BI, or EMCGM4CI messages that has been issued as a result of command processing.

**EMCCM5CE**

**Patch missing for R22 support on Rmt 5773**

**Cause**
An #SC VOL command was issued with a CREATEPAIR, CASCRE, SWAP, HSWAP, or CASSWAP action that would result in the creation of one or more R22 devices on a storage system with Enginuity 5773. However, a patch that is required for support of R22 devices on the Enginuity 5773 system is missing. Consequently, the command has failed. The devices listed are those that would be paired with remote devices that would become R22 devices on the Enginuity 5773 storage system that is missing the patch.

**Action**
Contact your Dell EMC Customer Support Representative to arrange for installation of the required patch. The serial number of the storage system missing the patch can be found in one of the EMCGM40I, EMCGM4BI, or EMCGM4CI messages that has been issued as a result of command processing.

**EMCCM5DI**

**Lcl RAID10 members skipped**

**Cause**
An #SC VOL command was issued with a device range that included RAID10 members. During command processing, the listed devices were ignored, because a RAID10 member is only processed through its associated RAID10 head device. Processing continues normally. This message does not indicate an error, nor does it imply that the device range includes the associated RAID10 head device.

**Action**
None.

**EMCCM5FI**

**Devices skipped, not selected**

**Cause**
A Host Component device-oriented command was issued. The command included the SELECT keyword parameter, specifying a criterion for selecting devices to be processed. However, the devices listed did not satisfy the selection criterion specified, and are therefore not eligible for processing by the current command.
Action
None. This condition is not an error. For further information, consult the description of the SELECT keyword parameter in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.

EMCCM60E

Cannot pair thin and thick devices

Cause
An #SC VOL CREATEPAIR command requested creation of one or more SRDF device pairs between a thin device and a device that is not thin. This is not permitted for the operating environment levels of the storage systems on which the devices reside, causing the command to fail for the listed devices.

Action
Do not attempt such a pairing. If the error resulted from incorrect specification of the device range, correct the error and resubmit the command.

EMCCM61E

Unbound thin devices, cannot be paired

Cause
An #SC VOL CREATEPAIR command requested creation of one or more SRDF device pairs between two devices, one of which is an unbound thin device. Such a device cannot be explicitly specified in an SRDF Host Component #SC VOL command. Consequently, the command has failed for the indicated devices.

Action
Do not attempt such an action. If the error resulted from incorrect specification of the device range, correct the error and resubmit the command. Otherwise, consult the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide for information on thin device pools, and bind the device as required.

EMCCM62E

Back-end thin devices, cannot be paired

Cause
An #SC VOL command specified one or more devices which are configured as a thin data device. Only thin front-end devices may be explicitly specified in a Host Component SC VOL command. Consequently, the command has failed for the indicated devices.

Action
Do not attempt such an action. If the error resulted from incorrect specification of the device range, correct the error and resubmit the command.
EMCCM63E

MOVEPAIR to SRDF/A group has wrong polarity

Cause
An #SC VOL command with the MOVEPAIR action was specified. SRDF/A was active on the target SRDF group and CEXMPT was specified as required. However, it was determined that the primary device of one or more device pairs to be moved would be on the secondary side of the SRDF/A session. The devices listed are the local devices of these pairs.

Action
Verify that the target SRDF group and the device range are specified correctly in the command. Then determine whether one or more device pairs should be swapped before attempting the action.

EMCCM64E

CREATEPAIR to SRDF/A group has wrong polarity

Cause
An #SC VOL command with the CREATEPAIR action was specified. SRDF/A was active on the target SRDF group and CEXMPT was specified as required. However, it was determined that the primary device of one or more device pairs to be created would be on the secondary side of the SRDF/A session. The devices listed are the local devices of these pairs.

Action
Verify that the target SRDF group and the device range are specified correctly in the command. Then determine whether one or more device pairs should be swapped before attempting the action.

EMCCM65E

Device is R22 but blocked on both mirrors

Cause
An #SC VOL command with an R22SWTCH action was issued. However, the action is not possible on the devices listed because both mirrors are blocked. Consequently, the command has been skipped for the listed devices.

Action
Analyze the current SRDF relationships to determine whether the blocked state for both mirrors is correct. An R22 device should not have both mirrors blocked if there is a unique R11 source for the R22 device. If a valid R22 device is blocked on both mirrors, it may be necessary to delete and recreate device pairs to unblock the mirror that is blocked but should not be.
**EMCCM66E**

Devices not blocked on mirror in specified group

**Cause**
An #SC VOL command with an R22SWTCH action including the GRPONLY option was issued. However, for the R22 devices listed, the mirror in the specified SRDF group is not blocked. Consequently, the command has been skipped for the listed devices.

**Action**
None.

**EMCCM67E**

Attempt to pair FBA Meta striped and non-striped

**Cause**
An #SC VOL command with the CREATEPAIR or CASCRE action was issued. During validation, it was determined that the command is attempting create device pairs between an FBA Meta striped device and an FBA Meta concatenated device. This is not possible, so the command has failed for the listed devices.

**Action**
Do not attempt to create such device pairs.

**EMCCM6AE**

R2 partner blocked, has R1 invalids

**Cause**
An #SC VOL command with a resume action was issued. During device validation, it was discovered that the remote partners of the listed devices were link-blocked on the R2 mirror of the leg to be resumed and that those mirrors had R1 invalid tracks. Resume actions are disallowed in this situation. Consequently, the resume action has failed for the listed devices.

**Action**
For partner devices that are valid R22 devices, an R22SWTCH action can be requested to unblock the mirror that is link-blocked. Appropriate refresh and refresh-resume processing will then make the R1 devices ready on the link. Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for information on R22 device behavior and on this specific procedure.

**EMCCM6DE**

SRDF/A cleanup pending for Lcl devices
**EMCCM6EE**

**SRDF/A cleanup pending for Rmt devices**

**Cause**
An #SC VOL command was issued but the action was blocked because SRDF/A cleanup is required.

**Action**
If cleanup is in process, wait until it completes and re-issue the action. Otherwise, initiate SRDF/A cleanup processing if appropriate.

**EMCCM73E**

**R2 of pair blocked, recovery procedures are required**

**Cause**
An #SC VOL command was issued and the corresponding R22 mirror is blocked.

**Action**
Ensure that the command was issued to the correct group. If you wish to unblock the requested mirror, issue #SC VOL with the R22SWTCH action. Recovery procedures will be required (described in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide).

**EMCCM74E**

**Devices ineligible, SRDF/A mirror cannot be blocked**

**Cause**
An attempt was made to link-block a mirror that has SRDF/A active upon it.

**Action**
Discontinue SRDF/A before attempting to link-block the mirror.

**EMCCM75E**

**R22ACT option denied, SRDF/A detected on R2 devices**

**Cause**
An SC VOL command was entered. For the action specified in the command, device pairs in an SRDF group on which an SRDF/A session is active are not eligible to be processed. However, although the SRDF/A session on the SRDF group specified in the command has terminated, SRDF/A cleanup has not yet completed for the local devices listed in the message. Consequently, these device pairs are not eligible for processing. If the FORCE option was specified, the command will be processed for eligible device pairs; otherwise, the command is aborted.

**Action**
Wait for device-level SRDF/A session cleanup to complete and reissue the command.
**Cause**
The use of the R22ACT action would cause an SRDF/A mirror to be link-blocked, which is not allowed.

**Action**
Terminate SRDF/A to be able to link-block the mirror.

---

**EMCCMC5E**

Thin device dev# violates thin-thick rule

**Cause**
An #SC VOL command with a CREATEPAIR or CASCRE action was issued and the pair to be created would include a thin device and standard (thick) device. However, the thin device indicated in the message was found to violate one or more of the following rules, which govern the creation of such thick-thin device pairs:

- The thin device may reside only on a storage system at Enginuity 5875 or a later level of the operating environment.
- The thin device may not be an CKD device, but must be FBA.
- The thin device may not be an R22 device.

Command processing is terminated at the completion of validation processing.

**Action**
Exclude the device causing the error from the device range specified in the command.

---

**EMCCP00E**

Command parse failed, id xxxx

**Cause**
An SRDF Host Component command was being processed and an error was detected during parsing, so the command was rejected. However, the generated internal error ID xxxx associated with the error has no corresponding error message assigned. Consequently, this general message EMCCP00E was issued.

**Action**
Examine the entered command and attempt to visually determine the error. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the command and the error ID xxxx included in the message. Correct the error and resubmit the command.

---

**EMCCP01E**

Extraneous parameter(s) detected in command string

**Cause**
An SRDF Host Component command was being processed. During parsing, a parameter was detected at a point when no additional parameters were expected. This syntax error has caused rejection of the command.
Action
Check the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for the description of the entered command. Work backwards from the end of the command to determine which positional or keyword parameters are inappropriate. Correct the error and resubmit the command.

EMCCP02E

Excessive hops in hop list

Cause
An SRDF Host Component command was being processed. During parsing, a hop list was detected in the command with a hop count exceeding the maximum allowed, so the command was rejected. Note that, in general, a maximum of four hops is permitted.

Action
Examine the specified hop list and your installation's configuration, and attempt to identify an alternate hop list that will provide equivalent access to the required storage systems. Using the alternate hop list, resubmit the command. If no such hop list can be discovered, contact the Dell EMC Customer Support Center for technical assistance. Provide the command entered and detailed information on your installation's processor and storage system configuration.

EMCCP03E

Left parenthesis required following keyword

Cause
A Host Component command was being processed. During parsing, a keyword was detected that was not followed by a left parenthesis (which should then be followed by an appropriate value and a right parenthesis). This syntax error has caused rejection of the command.

Action
Examine the entered command and ensure that each keyword parameter is followed by a value enclosed in parentheses. Correct the error and resubmit the command.

EMCCP04E

Right parenthesis not found

Cause
A Host Component command was being processed. During parsing, a keyword was followed by a left parenthesis, but no matching right parenthesis was found. This syntax error has caused rejection of the command.

Action
Examine the entered command and ensure that each keyword parameter is followed by a value enclosed in parentheses. Correct the error and resubmit the command.
**EMCCP05E**

Option required but missing for specified action

**Cause**
A Host Component command was being processed. During parsing, the option list was found to be missing an option that is required for the specified action. This consistency error has caused rejection of the command.

**Action**
Refer to the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide to determine the option requirements for the specified action. Specify a valid set of options and resubmit the command.

**EMCCP06E**

At least one of two options required, neither found

**Cause**
An SRDF Host Component command was being processed. During parsing, the option list was found to be missing an option, which must be one of a specific set of possible options. This consistency error has caused rejection of the command.

**Action**
Refer to the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide to determine the option requirements for the specified action. Specify a valid set of options and resubmit the command.

**EMCCP07E**

Option specified, co-requisite option missing

**Cause**
A Host Component command was being processed. During parsing, an option was detected that requires that at least one of a set of additional options also be specified. However, none of this set of additional options set was specified. This consistency error has caused rejection of the command.

**Action**
Examine the options specified in the entered command and add the appropriate option. Then resubmit the command.

**EMCCP08E**

Mutually exclusive options/keywords specified
**Cause**
An SRDF Host Component command was being processed. During parsing, two options were detected that may not be specified together with the current verb, type, and action. This consistency error has caused rejection of the command.

**Action**
Examine the entered command and remove one of the mutually exclusive options. Then resubmit the command.

---

**EMCCP09E**

**LCL keyword invalid for SC RDFGRP command**

**Cause**
An SRDF Host Component #SC RDFGRP command was being processed. During parsing, the LCL keyword, which is not permitted in an #SC RDFGRP command, was detected. This consistency error has caused rejection of the command.

**Action**
Check whether RMT may have been intended rather than LCL. Alternatively, if the request is for a local SRDF group, specifying an MVS CUU alone may be required. Correct the error and resubmit the command.

---

**EMCCP0AE**

**Invalid hop list delimiter**

**Cause**
A Host Component command was being processed. During parsing, a character other than a period was found between two hops in the hop list included as the second subparameter of the RMT keyword in the command. This syntax error has caused rejection of the command.

**Action**
Correct the hop list format, and resubmit the command.

---

**EMCCP0BE**

**Hyphen not allowed in SQ device range**

**Cause**
A Host Component command was being processed. During parsing, the SQ verb and a device-oriented type (VOL, RAID, RAID5, RAID6, RAID10, STATE, or MIRROR) were detected. However, the starting device number was entered as a hyphenated device range. This is not a valid device specification for such commands: only a single starting device number may follow the device count. This syntax error has caused rejection of the command.

**Action**
Reformat and resubmit the command using a device count and starting device number.
EMCCP0CE

Action (or option list) must be followed by comma and value

Cause
An SRDF Host Component command was being processed. During command parsing, an SC verb was detected. However, the action in the command was not followed by a valid specification. One of the following must follow an action keyword:

- a comma followed by a value or a SELECT or CQNAME specification
- a parenthesis-enclosed option list followed by a comma followed by a value or a SELECT or CQNAME specification

Action
The cause of this error may be an unintended space preceding or following the comma that follows the action keyword or the closing parenthesis of the option list. An inadvertent doubling of this comma could also be responsible. Examine the entered command to determine whether one of these possible causes is present. Correct the error and resubmit the command.

EMCCP0DE

Invalid option name

Cause
An SRDF Host Component command was being processed. The command specified verb SC, type GLOBAL and action SETOPT. However, the value following SETOPT was not a recognized option name. This syntax error has caused rejection of the command.

Action
Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide to view a list of the supported option names. Correct the error and resubmit the command.

EMCCP0EE

Command type must be followed by comma, then location info

Cause
A Host Component command was being processed. The command verb was followed by a space and a valid type, but the type was not followed by a comma. This syntax error has caused rejection of the command.

Action
The cause of this error may be an unintended space preceding the comma following the type. Correct the error and resubmit the command.
EMCCP0FE

Location info may be followed only by device info or filters

**Cause**
A Host Component command was being processed. During command parsing, an SQ verb was detected with a device-oriented type. However, the location portion of the command did not end the command (which is a valid syntax) but was not followed by a comma and device inclusion information (either an explicit device range or a filter name). This syntax error has caused rejection of the command.

**Action**
Correct the error and resubmit the command.

EMCCP10E

Local range may be followed only by comma

**Cause**
A Host Component command was being processed. During command parsing, a local device range was found, but was followed by a delimiter other than a comma or a space. This syntax error has caused rejection of the command. Note that a local range can be present for any command having a device-oriented action.

**Action**
Correct the error and resubmit the command.

EMCCP11E

Remote range may be followed only by comma

**Cause**
A Host Component command was being processed. During command parsing, a remote device range was found, but was followed by a delimiter other than a comma or a space. This syntax error has caused rejection of the command. Note that a remote range can be present only for a command having a pair create action.

**Action**
Correct the error and resubmit the command.

EMCCP12E

Invalid delimiter where comma required

**Cause**
A Host Component command was being processed. During command parsing, a keyword or value was followed by a delimiter other than a comma where a comma was mandatory. This syntax error has caused rejection of the command.
Action
This error typically results from inadvertent inclusion of a space before a required delimiter. Correct the error and resubmit the command.

EMCCP13E

Action specified with invalid option invalid_option

Cause
An SRDF Host Component command was being processed. During parsing, an action keyword followed by an option list that included an invalid option for the specified action was detected. This consistency error has caused rejection of the command.

Action
Refer to the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for a list of options that are valid with the specified action. Correct the error and resubmit the command.

EMCCP14E

Only comma may follow count, filter or options

Cause
A Host Component command was being processed. During parsing, the SQ verb and a device-oriented type (VOL, RAID, RAID5, RAID6, RAID10, STATE, or MIRROR) were detected. The specification following the location portion of the command, which may be a device count, a device filter, or one of these together with an option list, was valid but that specification was followed by an invalid delimiter (a comma or a space is required). This syntax error has caused rejection of the command.

Action
Correct the error and resubmit the command.

EMCCP15E

LCL, RMT, VOL, SCFG, G or an MVS device or range required

Cause
An SRDF Host Component command was being processed. The verb and type are valid and require location information. However, the location portion of the command is missing. This syntax error has caused rejection of the command.

Action
Correct the error and resubmit the command. Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for guidelines on specifying location information for the specified verb and type.
EMCCP16E

Comma or right parenthesis required after group or hop list

Cause
An SRDF Host Component command was being processed. During parsing, the location portion of the command was found to contain a LCL or RMT keyword, and the first and second subparameters were a valid MVS device number and a valid SRDF group number (for LCL) or a valid hop list (for RMT). However, the second subparameter was not followed by a right parenthesis or, for RMT only, a comma. This syntax error has caused rejection of the command.

Action
Correct the error and resubmit the command.

EMCCP17E

LCL, RMT or an MVS CUU required

Cause
An SRDF Host Component command was being processed. The verb and type require that the location portion of the command specify either an MVS CUU or the LCL or RMT keyword, but another keyword was specified (G, SCFG, VOLSER, or SSID). This syntax error has caused rejection of the command.

Action
Correct the error and resubmit the command. Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for guidelines on specifying location information for the specified verb and type.

EMCCP18E

LCL or RMT(cuu,mhl) required

Cause
An SRDF Host Component command was being processed. The verb and type require that the location portion of the command specify either the LCL or the RMT keyword, but either another keyword (G, SCFG, VOLSER, or SSID) or an MVS CUU was specified. This syntax error has caused rejection of the command.

Action
Correct the error and resubmit the command. Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for guidelines on specifying location information for the specified verb and type.

EMCCP19E

Invalid SQ SRDFA query type
**Cause**
A Host Component command was being processed. The command specified verb SQ and type SRDFA. However, the query type appearing after the location portion of the command may be only the keyword CYCLETOD, and an unrecognized keyword was found instead. This syntax error has caused the command to be rejected.

**Action**
Correct the error and resubmit the command.

---

**EMCCP1AE**

MVS CUU required

**Cause**
An SRDF Host Component command was being processed. The verb and type require that the location portion of the command specify an MVS CUU, but one of the keywords LCL, RMT, G, SCFG, VOLSER, or SSID was specified instead. This syntax error has caused rejection of the command.

**Action**
Correct the error and resubmit the command. Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for guidelines on specifying location information for the specified verb and type.

---

**EMCCP1BE**

Invalid SQ RDFGRP label/mask xxxxxxxxxxx

**Cause**
An SRDF Host Component command was being processed. The command specified verb SQ and type RDFGRP. During parsing, the LABEL parameter was found, but the value specified was invalid. This syntax error has caused command rejection.

**Action**
Correct the error and resubmit the command. Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for details on specifying a value for the LABEL keyword.

---

**EMCCP1CE**

SELECT parm uses filter list in parentheses

**Cause**
An SRDF Host Component command was being processed. The command specified verb SC and type VOL. During parsing, the SELECT keyword was found, but was not followed by a left parenthesis. This syntax error has caused command rejection.

**Action**
Correct the error and resubmit the command. Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for details on specifying filters using the SELECT parameter.
EMCCP1DE

SC VOL unrecognized keyword xxxxxxxxxx

Cause
An SRDF Host Component command was being processed. The command specified verb SC and type VOL. However, an unrecognized keyword parameter was detected during parsing. The valid keyword parameters are LCL, RMT, VOL, SCFG, G, SELECT and CQNAME. This syntax error caused rejection of the command.

Action
Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide to view a list of the keywords allowed with SC VOL commands. Correct the error and resubmit the command.

EMCCP1EE

Invalid RDF group xxxx

Cause
An SRDF Host Component SQ or SC command was being processed. However, the specified SRDF group is not valid; a hexadecimal value in the range x'00' through x'F9' is required. This value error has caused rejection of the command.

Action
Correct the error and resubmit the command.

EMCCP1FE

SC VOL unrecognized filter

Cause
An SRDF Host Component command was being processed. The command specified verb SC and type VOL, and the SELECT keyword parameter was also detected. However, a subparameter of SELECT was not a recognized filter name. This syntax error has caused rejection of the command.

Action
Correct the error and resubmit the command. Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide to view a list of the supported SELECT filter names.

EMCCP20E

SC VOL unrecognized filter separator x

Cause
A Host Component command was being processed. The command specified verb SC and type VOL, and the SELECT keyword parameter was also detected. However, a
Delimiter was found following a filter name that was neither a right parenthesis (terminating the filter list) nor a comma (separating the filter name from the next). This syntax error has caused rejection of the command.

**Action**
Correct the error and resubmit the command.

---

**EMCCP21E**

**SC VOL filter ALL allowed only with LCL and RMT**

**Cause**
A Host Component command was being processed. The command specified verb SC or SQ, a device-oriented type, and device range ALL. However, the location portion of the command did not include the LCL or RMT parameter, which is required in order to use the ALL keyword. This consistency error has caused rejection of the command.

**Action**
Correct the error and resubmit the command.

---

**EMCCP22E**

**SC VOL gatekeeper range invalid**

**Cause**
A Host Component SC VOL command was entered. The command specified a PowerMax/VMAX device range, which requires a gatekeeper device. However, the command also specified an MVS CUU device range, which is mutually exclusive with a PowerMax/VMAX device specification. This syntax error has caused rejection of the command.

**Action**
Determine whether the device range is to be specified via MVS device numbers or PowerMax/VMAX device numbers and adjust the command accordingly. Then resubmit the command.

---

**EMCCP23E**

**Invalid remote device number**

**Cause**
An SRDF Host Component command was being processed. The command specified verb SC and type VOL. However, the second positional parameter following the action is not a valid PowerMax/VMAX device number. This value error has caused rejection of the command.

**Action**
Correct the error and resubmit the command.
EMCCP24E

Invalid far device number

Cause
An SRDF Host Component command was being processed. The command specified verb SC and type VOL. However, the third positional parameter following the action is not a valid PowerMax/VMAX device number. This value error has caused rejection of the command.

Action
Correct the error and resubmit the command.

EMCCP25E

Invalid range end device number

Cause
An SRDF Host Component command was being processed. The command specified verb SC and type VOL, and the first positional parameter following the action included a hyphen. However, the portion of the parameter following the hyphen is not a valid PowerMax/VMAX device number. This value error has caused rejection of the command.

Action
Correct the error and resubmit the command.

EMCCP26E

Unrecognized TRANSMIT_IDLE option xxxxxxxx

Cause
A Host Component command was being processed. The command specified verb SC, type SRDFA, and action TRANSMIT_IDLE. However, the action value for TRANSMIT_IDLE must be ON or OFF and a different value was specified. This syntax error has caused rejection of the command.

Action
Correct the error and resubmit the command.

EMCCP27E

TRANSMIT_IDLE option omitted

Cause
A Host Component command was being processed. The command specified verb SC, type SRDFA, and action TRANSMIT_IDLE. However, no action value was detected; action value ON or OFF is required for this action. This syntax error has caused rejection of the command.
Action
This error may be due to an inadvertent space before or after the comma required after the TRANSMIT_IDLE action keyword. Correct the error and resubmit the command.

EMCCP28E

SC SRDFA missing action

Cause
A Host Component command was being processed. The command specified verb SC and type SRDFA, but no action was found following the location portion of the command. This syntax error has caused rejection of the command.

Action
This error may be due to an inadvertent space before or after the comma required after the location portion of the command. Correct the error and resubmit the command.

EMCCP29E

SC SRDFA invalid action xxxxxxxxx

Cause
An SRDF Host Component command was being processed. The command specified verb SC and type SRDFA, but the keyword found following the location portion of the command is not a recognized action. This syntax error has caused rejection of the command.

Action
Correct the error and resubmit the command. Valid actions are listed in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.

EMCCP2AE

SC SRDFA_DSE missing action

Cause
A Host Component command was being processed. The command specified verb SC and type SRDFA_DSE, but no action was found following the location portion of the command. This syntax error has caused rejection of the command.

Action
This error may be due to an inadvertent space before or after the comma required after the location portion of the command. Correct the error and resubmit the command.
EMCCP2BE

SC SRDFA_DSE invalid action xxxxxxxxx

Cause
An SRDF Host Component command was being processed. The command specified verb SC and type SRDFA_DSE, but the keyword found following the location portion of the command is not a recognized action. This syntax error has caused rejection of the command.

Action
Correct the error and resubmit the command. Valid actions can be found in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.

EMCCP2CE

SC SRDFA_WP missing action

Cause
A Host Component command was being processed. The command specified verb SC and type SRDFA_WP, but no action was found following the location portion of the command. This syntax error has caused rejection of the command.

Action
This error may be due to an inadvertent space before or after the comma required after the location portion of the command. Correct the error and resubmit the command.

EMCCP2DE

SC SRDFA_WP invalid action xxxxxxxxx

Cause
An SRDF Host Component command was being processed. The command specified verb SC and type SRDFA_WP, but the keyword found following the location portion of the command is not a recognized action. This syntax error has caused rejection of the command.

Action
Correct the error and resubmit the command. Valid actions are listed in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.

EMCCP2EE

Unrecognized SYNCH_DIRECTION option xxxxxxxxx

Cause
A Host Component command was being processed. The command specified verb SC, action SYNCH_DIRECTION, and one of the types CNFG, GLOBAL, or RDFGRP.
However, the action value for SYNCH_DIRECTION must be one of those indicated in the following table for the specified action, and a different value was specified. This syntax error has caused rejection of the command.

<table>
<thead>
<tr>
<th>Value</th>
<th>CNFG</th>
<th>GLOBAL</th>
<th>RDFGRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>R1&gt;R2</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>R1&lt;R2</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>NONE</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>CNFG</td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>GLOBAL</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Action
Correct the error and resubmit the command.

**EMCCP2FE**

SYNCH_DIRECTION option omitted

**Cause**
A Host Component command was being processed. The command specified verb SC, action SYNCH_DIRECTION, and one of the types CNFG, GLOBAL or RDFGRP. However, no action value was detected. This syntax error has caused rejection of the command.

**Action**
This error may be due to an inadvertent space before or after the comma required after the SYNCH_DIRECTION action keyword. Correct the error and resubmit the command.

**EMCCP30E**

Hop list excessive length

**Cause**
A Host Component command was being processed. The command specified the RMT keyword parameter, but the length of the second subparameter, a hop list, exceeds the maximum length allowed, 23 characters. This value error has caused rejection of the command.

**Action**
Correct the error and resubmit the command.

**EMCCP31E**

Hop list invalid delimiter
**EMCCP32E**

Hop list invalid RDF group xxx

**Cause**
An SRDF Host Component command was being processed. The command specified the RMT keyword parameter, but the second subparameter, a hop list, contained a hop which was not a valid SRDF group. This value error has caused rejection of the command. Note that an SRDF group must be a one- or two-digit hexadecimal value in the range x'00' through x'F9'.

**Action**
Correct the error and resubmit the command.

**EMCCP34E**

SC VOL Remote device is required

**Cause**
A Host Component command was being processed. The command specified verb SC, type VOL, and one of the actions CASCRE or CREATEPAIR. Each of these actions requires specification of a remote starting PowerMax/VMAX device number, but this device number was omitted. This syntax error has caused rejection of the command. Note that the CASCRE action requires the specification of a far starting PowerMax/VMAX device number as well.

**Action**
Correct the error and resubmit the command.

**EMCCP35E**

SC VOL Remote RDF group is required

**Cause**
An SRDF Host Component command was being processed. The command specified verb SC, type VOL, and a pair create action, either CREATEPAIR or CASCRE. This command requires specification in the RMT or LCL parameter of a remote SRDF group, but the remote SRDF group was omitted. This syntax error has caused rejection of the command. Note that the CASCRE action requires the specification of a far SRDF group as well.

**Action**
Correct the error and resubmit the command.
**EMCCP36E**

SC VOL Far device is required

**Cause**
An SRDF Host Component command was being processed. The command specified verb SC, type VOL, and action CASCRE. This command requires specification of a far starting PowerMax/VMAX device number, but this device number was omitted. This syntax error has caused rejection of the command.

**Action**
Correct the error and resubmit the command.

---

**EMCCP37E**

RMT or MVS CUU required

**Cause**
A command was issued specifying a LCL, G, VOL, or SCFG keyword parameter. However, only an MVS cuu or the RMT parameter may be specified with the entered command and command type, and it has consequently been rejected with a syntax error.

**Action**
Correct and resubmit the command.

---

**EMCCP38E**

SC VOL Remote device should not be specified

**Cause**
A Host Component command was being processed. The command specified verb SC, type VOL, and a valid action. However, the specified action was not one of the pair create actions CREATEPAIR or CASCRE, and consequently no remote device should be specified. This syntax error has caused rejection of the command.

**Action**
Correct the error and resubmit the command. If the action was correct, it is only necessary to remove the remote device specification. If the action was incorrect, it may only be necessary to replace it with the correct action.

---

**EMCCP39E**

SC VOL Remote RDF group should not be specified

**Cause**
An SRDF Host Component command was being processed. The command specified verb SC, type VOL, and a valid action. Also, the location portion of the command includes the LCL keyword with a third subparameter or the RMT keyword with a
fourth subparameter, in each case a remote SRDF group. However, the specified action was not CASCRE, and consequently no remote SRDF group should be specified. This syntax error has caused rejection of the command.

**Action**
Correct the error and resubmit the command.

**EMCCP3AE**

**SC VOL Far device should not be specified**

**Cause**
A Host Component command was being processed. The command specified verb SC, type VOL, and a valid action. However, the specified action was not a composite pair create action (CASCRE), and consequently no far device should be specified. This syntax error has caused rejection of the command.

**Action**
Correct the error and resubmit the command. If the action was specified as intended, it may only be necessary to remove the far device specification. If the action was incorrect, it may only be necessary to replace it with the correct action.

**EMCCP3BE**

**MVS CUU, G or SCFG required**

**Cause**
An SC or SQ command was issued. During command parsing, it was discovered that an invalid location specification for the command was used. Either a gatekeeper alone or one of the keyword parameters G or SCFG with an appropriate value is required. Consequently, the command has failed.

**Action**
Specify the location information as required, and reissue the command.

**EMCCP3CE**

**SYNCH_DIRECTION option invalid with SC CNFG**

**Cause**
An SRDF Host Component command was being processed. The command specified verb SC, action CNFG, and action SYNCH_DIRECTION. However, the action value for SYNCH_DIRECTION was not valid for type CNFG. This syntax error has caused rejection of the command.

**Action**
Correct the error and resubmit the command. Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for details on SYNCH_DIRECTION values for SC CNFG.
EMCCP3DE

SYNCH_DIRECTION option invalid with SC GLOBAL

Cause
An SRDF Host Component command was being processed. The command specified verb SC, action GLOBAL, and action SYNCH_DIRECTION. However, the action value for SYNCH_DIRECTION was not valid for type GLOBAL. This syntax error has caused rejection of the command.

Action
Correct the error and resubmit the command. Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for details on SYNCH_DIRECTION values for SC GLOBAL.

EMCCP3EE

SYNCH_DIRECTION option invalid with SC RDFGRP

Cause
An SRDF Host Component command was being processed. The command specified verb SC, action RDFGRP, and action SYNCH_DIRECTION. However, the action value for SYNCH_DIRECTION was not valid for type RDFGRP. This syntax error has caused rejection of the command.

Action
Correct the error and resubmit the command. Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for details on SYNCH_DIRECTION values for SC RDFGRP.

EMCCP3FE

Range end device number less than range start device number

Cause
An SRDF Host Component command was being processed. The command specified verb SC and type VOL, and the first positional parameter following the action included a hyphen. The PowerMax/VMAX device number specified by the portion of the parameter following the hyphen is less than the PowerMax/VMAX device number specified by the portion of the parameter preceding the hyphen. However, a range in which the starting device number exceeds the ending device number is invalid. This value error has caused rejection of the command.

Action
Correct the error and resubmit the command.
EMCCP40E

SQ MSG must be followed by comma and count or 'ALL'.

**Cause**
An SRDF Host Component command was being processed. The command specified verb SQ and type MSG, but no specification of the number of messages to display. Either ALL or a specific count is required. This syntax error has caused rejection of the command.

**Action**
This error may be due to an inadvertent space before or after the comma required after the MSG keyword. Correct the error and resubmit the command. Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for valid command formats, if necessary.

EMCCP41E

MVS CUU, RMT, G or SCFG required

**Cause**
An SC or SQ command was issued. During command parsing, it was discovered that an invalid location specification for the command was used. Either a gatekeeper alone or one of the keyword parameters RMT, G, or SCFG with appropriate subparameters is required. Consequently, the command has failed.

**Action**
Specify the location information as required, and reissue the command.

EMCCP46E

MVS CUU, LCL, RMT, G or SCFG required

**Cause**
An SC or SQ command was issued. During command parsing, it was discovered that an invalid location specification for the command was used. Either a gatekeeper alone or one of the keyword parameters LCL, RMT, G, or SCFG with appropriate subparameters is required. Consequently, the command has failed.

**Action**
Specify the location information as required, and reissue the command.

EMCCP47E

MVS CUU, RMT, G, SCFG, SSID or VOL required

**Cause**
An SC or SQ command was issued. During command parsing, it was discovered that an invalid location specification for the command was used. Either a gatekeeper alone
or one of the keyword parameters LCL, RMT, G, SCFG, or SSID with appropriate subparameters is required. Consequently, the command has failed.

**Action**
Specify the location information as required, and reissue the command.

---

**EMCCP48E**

| SC SRDFA_WP MAXDELAY value missing |

**Cause**
A Host Component command was being processed. The command specified verb SC, type SRDFA_WP, and action MAXDELAY. However, no action value was detected; a numeric value is required for this action. This syntax error has caused rejection of the command.

**Action**
This error may be due to an inadvertent space before or after the comma required after the MAXDELAY action keyword. Correct the error and resubmit the command.

---

**EMCCP49E**

| SC SRDFA_WP MAXDELAY value must be 1 to 1000000 |

**Cause**
An SRDF Host Component command was being processed. The command specified verb SC, type SRDFA_WP, and action MAXDELAY. However, the action value specified was invalid; a numeric value in the range 1 to 1000000 is required for this action. This value error has caused rejection of the command.

**Action**
Correct the error and resubmit the command. Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for guidelines on setting this value.

---

**EMCCP4AE**

| SC RDFGRP missing RDF group |

**Cause**
An SRDF Host Component command was being processed. The command specified verb SC and type RDFGRP. During parsing, however, it was determined that no SRDF group was specified. The SRDF group value is a positional parameter that must immediately follow the location information in the command. This syntax error has caused rejection of the command.

**Action**
Determine whether the SRDF group was omitted entirely or whether a misspelling caused the SRDF group to be misinterpreted. Include or correct the SRDF group as required and resubmit the command.
**EMCCP4BE**

SC VOL missing action

**Cause**
A Host Component command was being processed. The command specified verb SC and type VOL. During parsing, however, it was determined that no command action group was specified. The command action is a positional parameter that must immediately follow the location information in the command. This syntax error has caused rejection of the command.

**Action**
Determine whether the command action was omitted entirely or whether a misspelling caused the action to be misinterpreted. Correct the error and resubmit the command.

**EMCCP4CE**

SQ allows filter only with VOL, STATE or MIRROR

**Cause**
An SQ command was entered with a device-oriented command type, such as RAID5 or RAID10. During parsing, a filter was detected in place of a device range, but the command type does not allow filters. Consequently the command has been rejected with a syntax error.

**Action**
Resubmit the command after either replacing the filter with a device range or changing the command type to VOL, STATE, or MIRROR.

**EMCCP4DE**

For SQ VOL/STATE/MIRROR, filter and 3rd RMT subparameter may not both be specified

**Cause**
An SQ command was entered with a command type of VOL, STATE, or MIRROR, and with a RMT keyword including the third subparameter, the SRDF group to use in device selection. However, the filter was also specified. These are not allowed simultaneously, so the command has been rejected with a syntax error.

**Action**
Resubmit the command after removing either the third RMT keyword subparameter or the filter.

**EMCCP4EE**

SQ CNFG 3rd RMT subparameter may not be specified
Cause
An SQ command was entered with a command type of CNFG and with a RMT keyword including the third subparameter specifying an applicable SRDF group. Since the SRDF group is not meaningful in this context, the command has been rejected with a syntax error.

Action
Resubmit the command after removing the third RMT keyword subparameter.

EMCCP4FE
SC GLOBAL invalid option value

Cause
An SRDF Host Component command was being processed. The command specified verb SC, type GLOBAL and action SETOPT, followed by a valid option name. However, the value following the option name was not an allowed value for that option. This syntax error has caused rejection of the command.

Action
Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide to view a list of the values allowed for the option name specified. Correct the error and resubmit the command.

EMCCP50E
SC SRDFA_WP THRESHOLD value missing

Cause
A Host Component command was being processed. The command specified verb SC, type SRDFA_WP, and action THRESHOLD. However, no action value was detected; a numeric value is required for this action. This syntax error has caused rejection of the command.

Action
This error may be due to an inadvertent space before or after the comma required after the THRESHOLD action keyword. Correct the error and resubmit the command.

EMCCP51E
SC SRDFA_WP THRESHOLD value must be 1 to 99

Cause
An SRDF Host Component command was being processed. The command specified verb SC, type SRDFA_WP, and action THRESHOLD. However, the action value specified was invalid; a numeric value in the range 1 to 99 is required for this action. This value error has caused rejection of the command.

Action
Correct the error and resubmit the command. Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for guidelines on setting this value.
EMCCP52E

SC SRDFA_WP DSE_THOLD value missing

Cause
A Host Component command was being processed. The command specified verb SC, type SRDFA_WP, and action DSE_THOLD. However, no action value was detected; a numeric value is required for this action. This syntax error has caused rejection of the command.

Action
This error may be due to an inadvertent space before or after the comma required after the DSE_THOLD action keyword. Correct the error and resubmit the command.

EMCCP53E

SC SRDFA_WP DSE_THOLD value must be 1 to 100

Cause
A Host Component command was being processed. The command specified verb SC, type SRDFA_WP and action DSE_THOLD. However, the action value specified was invalid; a numeric value in the range 1 to 100 is required for this action. This value error has caused rejection of the command.

Action
Correct the error and resubmit the command. Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for guidelines on setting this value.

EMCCP54E

SC SRDFA_DSE THRESHOLD value missing

Cause
A Host Component command was being processed. The command specified verb SC, type SRDFA_DSE, and action THRESHOLD. However, no action value was detected; a numeric value is required for this action. This syntax error has caused rejection of the command.

Action
This error may be due to an inadvertent space before or after the comma required after the THRESHOLD action keyword. Correct the error and resubmit the command.

EMCCP55E

SC SRDFA_DSE THRESHOLD value must be 20 to 100
Cause
An SRDF Host Component command was being processed. The command specified verb SC, type SRDFA_DSE, and action THRESHOLD. However, the action value specified was invalid; a numeric value in the range 20 to 100 is required for this action. This value error has caused rejection of the command.

Action
Correct the error and resubmit the command. Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for guidelines on setting this value.

EMCCP56E

EMCCP57E

EMCCP58E
pool name of up to eight characters, and a right parenthesis. This syntax error has caused rejection of the command.

**Action**
Correct the error and resubmit the command. Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for detailed information regarding the format of the P parameter.

**EMCCP59E**

SC SRDFA_WP AUTO_ACT value must be ON or OFF

**Cause**
A Host Component command was being processed. The command specified verb SC, type SRDFA_WP, and action AUTO_ACT. However, the action value for AUTO_ACT must be ON or OFF and a different value was specified. This value error has caused rejection of the command.

**Action**
Correct the error and resubmit the command.

**EMCCP5AE**

SC VOL local device range missing

**Cause**
A Host Component command was being processed. The command specified verb SC and type VOL, with the location portion of the command including the LCL or RMT keyword. However, neither ALL nor an explicit device or range was specified as the first parameter following the action. This syntax error has caused rejection of the command.

**Action**
This error may be due to an inadvertent space before or after the comma required after the action keyword. Correct the error and resubmit the command. Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for detailed requirements on specifying an SC VOL device range.

**EMCCP5BE**

SC VOL local RDF group missing

**Cause**
An SRDF Host Component command was being processed. The command specified verb SC and type VOL, with the location portion of the command including the LCL or RMT keyword. However, the SRDF group was omitted. This syntax error has caused rejection of the command.

**Action**
Correct the error and resubmit the command. Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for detailed requirements on specifying an SC VOL device range.
**EMCCP5CE**

**SC VOL MOVEPAIR invalid target RDF group**

**Cause**
An SRDF Host Component command was being processed. The command specified verb SC, type VOL, and action MOVEPAIR or HMOVEPAIR. However, the target SRDF group that was specified as the second parameter following the action keyword is not valid. This syntax error has caused rejection of the command.

**Action**
Correct the error and resubmit the command. Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for detailed requirements on specifying the target SRDF group for an #SC VOL MOVEPAIR(HMOVEPAIR) action.

**EMCCP5DE**

**SC VOL ADC_MAX maximum skew value missing**

**Cause**
A Host Component command was being processed. The command specified verb SC, type VOL, and action ADC_MAX. However, no action value was detected; a numeric action value is required for this action. This syntax error has caused rejection of the command.

**Action**
This error may be due to an inadvertent space before or after the comma required after the ADC_MAX action keyword. Correct the error and resubmit the command. Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for detailed requirements on specifying the required value.

**EMCCP5EE**

**SC VOL ADC_MAX invalid max skew value xxxxxxxxx**

**Cause**
An SRDF Host Component command was being processed. The command specified verb SC, type VOL, and action ADC_MAX. However, the action value specified was invalid; a numeric value in the range 1 to 65535 is required for this action. This value error has caused rejection of the command.

**Action**
Correct the error and resubmit the command. Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for guidelines on setting this value.
EMCCP5FE

MVS CUU, LCL, RMT, G, SCFG, SSID or VOL required

Cause
A Host Component command was being processed. The location portion of the command was required to use one of the parameters indicated, but none was present. This syntax error has caused rejection of the command.

Action
Correct the error and resubmit the command.

EMCCP60E

SC LINK missing director number

Cause
A Host Component command was being processed. The command specified verb SC and type LINK, but neither ALL nor a director number was specified. This syntax error has caused rejection of the command.

Action
Correct the error and resubmit the command.

EMCCP61E

SC LINK invalid director number

Cause
A Host Component command was being processed. The command specified verb SC and type LINK, but the following parameter was neither ALL nor a valid director number. This value error has caused rejection of the command.

Action
Correct the error and resubmit the command.

EMCCP62E

SC LINK missing action

Cause
A Host Component command was being processed. The command specified verb SC, type LINK, and either ALL or a valid director number. However, the following parameter specifying the action to take was not present. This syntax error has caused rejection of the command.
Action
Correct the error and resubmit the command. The action required represents the desired state to which the specified director(s) should enter, either OFFLINE or ONLINE.

EMCCP63E

SC LINK invalid action

Cause
A Host Component command was being processed. The command specified verb SC, type LINK, and either ALL or a valid director number. However, the following parameter specifying the action to take was not valid. This syntax error has caused rejection of the command.

Action
Correct the error and resubmit the command. The action required represents the desired state to which the specified director(s) should enter, either OFFLINE or ONLINE.

EMCCP64E

SQ DSTAT missing director number

Cause
A Host Component command was being processed. The command specified verb SQ and type DSTAT, but neither ALL nor a director number was specified. This value error has caused rejection of the command.

Action
Correct the error and resubmit the command.

EMCCP65E

SQ DSTAT invalid director number

Cause
A Host Component command was being processed. The command specified verb SQ and type DSTAT, but the following parameter was neither ALL nor a valid director number. This value error has caused rejection of the command.

Action
Correct the error and resubmit the command.

EMCCP66E

SC VOL SUSP_CGRP action may not specify Symm device
Cause
An #SC VOL command was issued with the SUSP_CGRP action. During command parsing, it was discovered that the action was followed by a PowerMax/VMAX device number. Since this is not permitted, the command has failed.

Action
Respecify the command with no PowerMax/VMAX device number using one of the following command formats:

- SC VOL,rdfcuu,SUSP_CGRP
- SC VOL,LCL(cuu,gg),SUSP_CGRP

Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for more information on this command.

EMCCP67E

MVS cuu or 'LCL' required

Cause
An #SC VOL command was issued. During command parsing, it was discovered that neither the LCL keyword parameter nor an MVS cuu was specified. The location information for the command action entered must be specified via one of these parameters. Consequently, the command has failed.

Action
Include an MVS cuu or the 'LCL' keyword parameter with subparameters as required, and reissue the command.

EMCCP68E

LCL/RMT parameter invalid, RDF group subparameter 2 required

Cause
An SRDF Host Component command was being processed. The command specified the keyword LCL or RMT, but only the first subparameter was present identifying the gatekeeper device. The LCL and RMT keywords require at least two subparameters, the gatekeeper device cuu and an SRDF group. This syntax error has caused rejection of the command.

Action
If an SRDF group is required for the command, include it as the second subparameter of LCL or RMT. If no SRDF group is required, do not use the LCL or RMT keyword. Correct the error and resubmit the command.

EMCCP69E

SC RDFGRP a label must be specified for the new RDF group
Cause
An #SC RDFGRP command with the ADD action was being processed. During command parsing, no LABEL keyword parameter was found. This consistency error has caused rejection of the command.

Action
Correct the error and resubmit the command. For the LABEL keyword, note that the label may be up to ten characters and may not be the same as the label of an existing SRDF group.

EMCCP6AE

Subparameter three should not be specified

Cause
A Host Component command was being processed. The command specified verb SQ, a device-oriented type such as VOL or MIRROR, and location parameter LCL. During parsing, a third subparameter of LCL was detected. However, only two subparameters of LCL are valid for an SQ command. This syntax error has caused rejection of the command.

Action
Ensure that the command SC was not intended; for some SC VOL actions, the third LCL subparameter might be valid. Correct the error and resubmit the command.

EMCCP6BE

LCL/RMT parameter invalid, gatekeeper subparameter 1 required

Cause
A Host Component command was being processed. The command specified keyword LCL or RMT, but the first subparameter identifying the gatekeeper device was omitted. The LCL and RMT keywords require this subparameter. This syntax error has caused rejection of the command.

Action
Include a gatekeeper subparameter and resubmit the command.

EMCCP6CE

RDF group subparameter should not be specified

Cause
An SRDF Host Component command was being processed. The command specified verb SQ, command type RDFGRP, and the RMT keyword parameter. During parsing, a third subparameter of RMT was detected. However, for this command and type, only two subparameters of RMT are valid. This syntax error has caused rejection of the command.
Action
Remove the third subparameter of RMT. If information is wanted for only a single SRDF group, use the RA keyword parameter. Correct the error and reissue the command.

EMCCP6DE
Invalid SC command type text

Cause
An SC command was specified incorrectly.

Action
Correct the error and resubmit the command.

EMCCP6EE
Invalid SQ command type text

Cause
An SQ command was specified incorrectly.

Action
Correct the error and resubmit the command.

EMCCP6FE
Remote RDF group should not be specified

Cause
An SRDF Host Component command was being processed. The command specified the location portion of the command with the RMT keyword with a third subparameter. However, no remote SRDF group should be specified. This syntax error has caused rejection of the command.

Action
Correct the error and resubmit the command.

EMCCP70E
SC RDFGRP invalid RDF group xxxxx

Cause
A Host Component command was being processed. The command specified verb SC, type RDFGRP, and one of the actions ADD, MODIFY, DELETE, or SYNCH_DIRECTION. However, the specified RDF group to which the action will apply is not valid.; a hexadecimal value in the range x'00' through x'F9' is required. This value error has caused rejection of the command.
Action
Correct the error and resubmit the command.

**EMCCP71E**

SC RDFGRP invalid action xxxxxxxx

Cause
A Host Component command was being processed. The command specified verb SC and type RDFGRP, but the keyword found following the location portion of the command is not a recognized action. This syntax error has caused rejection of the command.

Action
Correct the error and resubmit the command. Valid actions include ADD, DELETE, and MODIFY; a complete list of supported actions can be provided in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.

**EMCCP72E**

SC RDFGRP unrecognized keyword xxxxxxxx

Cause
A Host Component command was being processed. The command specified verb SC, type RDFGRP, and one of the actions ADD, MODIFY or DELETE. However, a keyword following the action is not a recognized keyword. This syntax error has caused rejection of the command. Note that this message is not issued for a recognized keyword that is not valid with the specified action, but only for a keyword that is not valid for any SC RDFGRP action.

Action
Correct the error and resubmit the command. A complete list of valid SC RDFGRP keywords and guidelines for corresponding values is provided in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.

**EMCCP73E**

SC RDFGRP error in LDIR or RDIR format

Cause
A Host Component command was being processed. The command specified verb SC, type RDFGRP, one of the actions ADD or MODIFY, and an LDIR or RDIR keyword. However, the value specified for the LDIR or RDIR keyword was invalid. This syntax error has caused rejection of the command.

Action
Correct the error and resubmit the command. A complete description of allowed formats for values associated with the LDIR and RDIR keywords is provided in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.
EMCCP74E

SC RDFGRP invalid label value xxxxxxxxxx

**Cause**
An Host Component command was being processed. The command specified verb SC, type RDFGRP, action ADD, and the LABEL keyword providing a label for the SRDF group to be created. However, the value specified for the LABEL keyword was invalid. This value error has caused rejection of the command.

**Action**
Correct the error and resubmit the command. SRDF group labels may have up to ten characters. A complete description of SRDF group LABEL requirements is provided in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.

EMCCP75E

Invalid remote serial number

**Cause**
An SRDF Host Component command was being processed. The command specified type RDFGRP, action ADD, and the RSER keyword specifying the serial number of the remote storage system on which the other-side SRDF group of the SRDF group being added will be created. However, the value specified for the RSER keyword was invalid. This value error has caused rejection of the command.

**Action**
Correct the RSER value and resubmit the command. A storage system serial number is a string of 12 decimal digits. A complete description of SRDF group RSER requirements is provided in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide. Note that correct syntax is an incidental requirement since, for the command to be processed successfully, the value specified via RSER must be the serial number of a storage system that is connected by online remote link directors to the local storage system specified via the local portion of the command.

EMCCP76E

SC RDFGRP invalid remote RDF group number xxx

**Cause**
An SRDF Host Component command was being processed. The command specified verb SC, type RDFGRP, action ADD, and the RGRP keyword specifying the number of the SRDF group to become the other-side SRDF group of the SRDF group being added. However, the value specified for the RGRP keyword was invalid. This value error has caused rejection of the command.

**Action**
Correct the error and resubmit the command. An SRDF group number is a one- or two-digit hexadecimal number not exceeding x'F9'. A complete description of SRDF
group RGRP requirements is provided in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.

**EMCCP77E**

**SC RDFGRP invalid director number**

**Cause**
An SRDF Host Component command was being processed. The command specified verb SC, type RDFGRP, one of the actions ADD or MODIFY, and the LDIR or RDIR keyword specifying the numbers of remote link directors to be utilized by the SRDF group being added (for ADD) or to cease being utilized by the SRDF group being modified (for MODIFY). However, a director number specification in the value of the LDIR or RDIR keyword was invalid. This value error has caused rejection of the command.

**Action**
Correct the error and resubmit the command. A remote link director number is a one- or two-digit hexadecimal number in the range X'01' to X'80'. A complete description of #SC RDFGRP LDIR and RDIR value requirements is provided in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.

**EMCCP78E**

**SC RDFGRP invalid director range xxxxx**

**Cause**
An SRDF Host Component command was being processed. The command specified verb SC, type RDFGRP, one of the actions ADD or MODIFY, and the LDIR or RDIR keyword specifying the numbers of remote link directors to be utilized by the SRDF group being added (for ADD) or to cease being utilized by the SRDF group being modified (for MODIFY). However, a director number range specification in the value of the LDIR or RDIR keyword was invalid. This value error has caused rejection of the command.

**Action**
Correct the error and resubmit the command. A remote link director number range is a pair of one- or two-digit hexadecimal number in the range X'01' to X'80' separated by a hyphen, with the first director number less than the second. A complete description of SC RDFGRP LDIR and RDIR value requirements is provided in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.

**EMCCP79E**

**SC RDFGRP invalid add/remove symbol, must be + or -**

**Cause**
An SRDF Host Component command was being processed. The command specified verb SC, type RDFGRP, one of the actions ADD or MODIFY, and the LDIR or RDIR keyword specifying the numbers of remote link directors to be utilized by the SRDF group being added (for ADD) or to cease being utilized by the SRDF group being modified (for MODIFY). However, a director number range specification in the value of the LDIR or RDIR keyword was invalid. This value error has caused rejection of the command.

**Action**
Correct the error and resubmit the command. A remote link director number range is a pair of one- or two-digit hexadecimal number in the range X'01' to X'80' separated by a hyphen, with the first director number less than the second. A complete description of SC RDFGRP LDIR and RDIR value requirements is provided in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.
modified (for MODIFY). However, a director number or range in the value of the LDIR or RDIR keyword was prefixed by a character other than '+' (director add indicator) or '-' (director remove indicator). This syntax error has caused rejection of the command.

Action
Correct the error and resubmit the command. A complete description of #SC RDFGRP LDIR and RDIR value requirements is provided in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.

EMCCP7AE

SC RDFGRP inconsistent director add/remove usage

Cause
An SRDF Host Component command was being processed. The command specified verb SC, type RDFGRP, one of the actions ADD or MODIFY, and the LDIR or RDIR keyword specifying the numbers of remote link directors to be utilized by the SRDF group being added (for ADD) or to cease being utilized by the SRDF group being modified (for MODIFY). However, an inconsistency was detected in the use of the prefixes '+' (director add indicator) and '-' (director remove indicator). This value error has caused rejection of the command.

Action
Correct the error and resubmit the command. A complete description of #SC RDFGRP LDIR and RDIR value requirements is provided in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.

EMCCP7BE

SC RDFGRP cannot add/remove more than eight directors

Cause
An SRDF Host Component command was being processed. The command specified verb SC, type RDFGRP, one of the actions ADD or MODIFY, and the LDIR or RDIR keyword specifying the numbers of remote link directors to be utilized by the SRDF group being added (for ADD) or to cease being utilized by the SRDF group being modified (for MODIFY). However, the command specified that more than eight directors were to be added or removed. This consistency error has caused rejection of the command.

Action
Correct the error and resubmit the command.

EMCCP7CE

SC RDFGRP ADD requires both local and remote director

Cause
An SRDF Host Component command was being processed. The command specified verb SC, type RDFGRP, and action ADD. However, at least one of the keywords LDIR
or RDIR was not specified, and adding an SRDF group requires that at least one remote link director is specified on both the local and the remote storage system. This syntax error has caused rejection of the command.

**Action**
Correct the error by specifying the missing keyword with an appropriate value and resubmit the command.

---

**EMCCP7DE**

**SC RDFGRP ADD cannot specify directors to remove**

**Cause**
A Host Component command was being processed. The command specified verb SC, type RDFGRP, and action ADD. However, at least one of the keywords LDIR or RDIR specified prefix '-' (the remove indicator), and remote link directors may not be removed in an ADD operation. This consistency error has caused rejection of the command.

**Action**
Correct the error and resubmit the command.

---

**EMCCP7EE**

**SC RDFGRP MODIFY must specify at least one director**

**Cause**
A Host Component command was being processed. The command specified verb SC, type RDFGRP, and action MODIFY. However, neither the LDIR or RDIR keyword was specified in the command. It is required in a MODIFY action that at least one director is added or removed. This consistency error has caused rejection of the command.

**Action**
Correct the error and resubmit the command.

---

**EMCCP7FE**

**SC RDFGRP DELETE may not specify keyword**

**Cause**
A Host Component command was being processed. The command specified verb SC, type RDFGRP, and action DELETE. For the DELETE action, no additional parameter other than CQNAME may be specified, but an additional parameter was detected. This consistency error has caused rejection of the command.

**Action**
Correct the error and resubmit the command.
EMCCP81E

VOLSER value missing

Cause
A Host Component command was being processed. The location portion of the command included the VOLSER keyword, but no value was specified for the keyword. This value error has caused rejection of the command.

Action
Correct the error by including a volume serial or mask and resubmit the command.

EMCCP82E

VOLSER value invalid xxxxxxxxxxxx

Cause
A Host Component command was being processed. The location portion of the command included the VOLSER keyword, but the value was specified for the keyword was invalid. This value error has caused rejection of the command.

The following are errors that result in this message:

- The length exceeds 6
- The value contains a character other than an asterisk that is invalid in a volume serial

Action
Correct the invalid volume serial or mask and resubmit the command.

EMCCP83E

SC RDFGRP SYNCH_DIRECTION may not specify keyword

Cause
A Host Component command was being processed. The command specified verb SC, type RDFGRP, and action SYNCH_DIRECTION. For the SYNCH_DIRECTION action, no additional parameter other than CQNAME may be specified, but an additional parameter was detected. This consistency error has caused rejection of the command.

Action
Correct the error and resubmit the command.

EMCCP87E

SC SRDFA_CMPR missing action
Cause
A Host Component command was being processed. The command specified verb SC and type SRDFA_CMPR, but no action was found following the location portion of the command. This syntax error has caused rejection of the command.

Action
This error may be due to an inadvertent space before or after the comma required after the location portion of the command. Correct the error and resubmit the command.

EMCCP88E

SC SRDF_CMPR LEVEL invalid value xxxxxxxxx

Cause
An SC SRDF_CMPR command was issued to set the compression level for an SRDF group, but the specified value was invalid. Consequently, the command has failed.

Action
Correct the error appropriately, by specifying a valid compression level. Valid compression levels are decimal numbers from 1 to 10.

EMCCP89E

SC SRDFA_CMPR POLICY value missing

Cause
A Host Component command was being processed. The command specified verb SC, type SRDFA_CMPR, and action POLICY. However, no action value was detected. This syntax error has caused rejection of the command.

Action
This error may be due to an inadvertent space before or after the comma required after the POLICY action keyword. Correct the error and resubmit the command.

EMCCP8AE

SQ DSTAT requires SSID, RMT, a cuu or a volser

Cause
A Host Component command was being processed. The command specified verb SQ and type DSTAT. However, the location portion of the command was not specified in one of the allowed formats. This syntax error has caused rejection of the command.

Action
Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide to determine valid formats for the location portion of the command. Correct the error and resubmit the command.
EMCCP8BE

SC RDFGRP ADD requires label via LABEL keyword

Cause
A Host Component command was being processed. The command specified verb SC, type RDFGRP, and action ADD. However, no LABEL keyword was detected. A label of from one to ten characters must be specified with the LABEL keyword parameter. This syntax error has caused rejection of the command.

Action
This error may be due to an inadvertent space or omission of the LABEL keyword. Correct the error and resubmit the command.

EMCCP8CE

SC RDFGRP ADD requires Rmt Symm serial via RSER keyword

Cause
An SRDF Host Component command was being processed. The command specified verb SC, type RDFGRP, and action ADD. However, no RSER keyword was detected. A remote storage system 12-character serial number must be specified using the RSER keyword parameter. This syntax error has caused rejection of the command.

Action
This error may be due to an inadvertent space or omission of the RSER keyword. Correct the error and resubmit the command.

EMCCP8DE

SC RDFGRP ADD requires Rmt RDF group via RGRP keyword

Cause
An SRDF Host Component command was being processed. The command specified verb SC, type RDFGRP, and action ADD. However, no RGRP keyword was detected. A valid remote SRDF group number must be specified using the RGRP keyword parameter. This syntax error has caused rejection of the command.

Action
This error may be due to an inadvertent space or omission of the RGRP keyword. Correct the error and resubmit the command.

EMCCP8EE

SC VOL SELECT parameter allows maximum of 3 filters

Cause
An #SC VOL command with the SELECT keyword parameter was being processed. During command parsing, it was found that more than three filter names were
specified as SELECT subparameters. However, a maximum of three filter names are allowed. This consistency error has caused rejection of the command.

**Action**
Eliminate filter names from the SELECT subparameter list as required and resubmit the command.

**EMCCP8FE**

SC VOL SELECT filter relations can be ',' or '>'; not both

**Cause**
An # SC VOL command with the SELECT keyword parameter was being processed. During command parsing, it was found that both ',' (inclusive OR) and '>' (AND) appear as filter name separators in the SELECT subparameter list. However, only one of these separators may be used in a single command. This consistency error has caused rejection of the command.

**Action**
Reformulate the SELECT subparameter list to adhere to the filter relation rules and resubmit the command.

**EMCCP90E**

SC SRDFA_CMPR POLICY unknown choice xxxxxxxxxx

**Cause**
A Host Component command was being processed. The command specified verb SC, type SRDFA_CMPR, and action POLICY. However, the value specified for the POLICY action included an invalid value. This value error has caused rejection of the command.

**Action**
Correct the error and resubmit the command. A complete description of POLICY value specification is provided in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.

**EMCCP91E**

SC SRDFA_CMPR POLICY DEFAULT must be specified alone

**Cause**
A Host Component command was being processed. The command specified verb SC, type SRDFA_CMPR, and action POLICY. However, the value specified for the POLICY action included DEFAULT and at least one other policy option. However, DEFAULT must not be accompanied by any other option. This value error has caused rejection of the command.

**Action**
Correct the error and resubmit the command. A complete description of POLICY value specifications is provided in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.
EMCCP93E

SC RDFGRP MODIFY may not specify keyword xxxxxxxx

Cause
An SC RDFGRP command was issued with the MODIFY action. During command parsing, a keyword was detected which may be specified only when an SRDF group is added (the ADD action). Consequently, the command has failed.

Action
Correct the error appropriately, either by removing the keyword and value or by changing the action to ADD, and reissue the command.

EMCCP94E

SC SRDFA_CMPR missing action

Cause
An SC SRDFA_CMPR command was issued, but no action was invalid. Consequently, the command has failed.

Action
Specify the desired action and reissue the command. Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for information on valid actions.

EMCCP95E

SC SRDF_CMPR invalid action xxxxxxxx

Cause
An SC SRDF_CMPR command was issued, but the specified action was invalid. Consequently, the command has failed.

Action
Correct the error appropriately, either by specifying the action or by using a different command, and reissue the command. Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for information on actions that are valid with the various commands.

EMCCP96E

CREATEPAIR requires either 'LCL' or 'RMT'

Cause
An SC VOL command was issued with a CREATEPAIR action. During command parsing, it was discovered that neither the LCL nor the RMT keyword parameter was specified. The location information for the command must be specified via one of these parameters. Consequently, the command has failed.
Action
Include the LCL or the RMT parameter with subparameters as required, and reissue the command.

**EMCCP97E**

Invalid HELP option, CODES, CMDLIST, SYNTAX or HELP allowed

Cause
An invalid HELP request was specified.

Action
Correct the erroneous value and submit the command again.

**EMCCP98E**

Invalid HELP CODES option, MR, FILTER, RA, DV, RCS, DA-if, TYP, SYS_status, CNTLunit_status, VOLSER or ADCmode allowed

Cause
A #HELP CODES command was issued. During command parsing, it was discovered that the option for CODES was not one of those allowed. The option may be one of the allowed codes like MR for a list of mirror type codes, FILTER for a list of filters that may be used on #SQ VOL commands and more. Consequently, the command has failed.

Action
Specify one of the allowed options, or remove the option and allow the command to use the default option. Then reissue the command.

**EMCCP99E**

GRPONLY option requires RMT or LCL

Cause
An #SC VOL command was issued with the R22SWTCH action and the GRPONLY option. During command parsing, it was discovered that the location information for the command was not LCL or RMT (but instead was VOL, G, or SCFG). The GRPONLY option may be specified only when one of the location keyword parameters RMT or LCL has been specified. Consequently, the command has failed.

Action
Specify valid location information for the GRPONLY option or remove the GRPONLY option. Then reissue the command. Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for information on the effect of specifying (or not specifying) the GRPONLY option.
EMCCP9AE

Third RMT subparameter, RDF group, is required

Cause
An SRDF Host Component command was being processed. During parsing, the RMT location keyword was detected. The particular verb and type specified, when using the RMT parameter, require the third subparameter. However, the third subparameter was not found. This syntax error has caused rejection of the command.

Action
Provide the third subparameter and resubmit the command. For verb SC and type SRDF_CMPR, consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for valid values for the third subparameter.

EMCCP9BE

Duplicate keyword xxxxxxxx

Cause
An SRDF Host Component command was being processed. During parsing, a keyword occurred in the command string two or more times. This syntax error has caused rejection of the command.

Action
If the keyword was misspelled, correct the incorrectly spelled occurrence. Otherwise, remove the inappropriate occurrence(s) of the keyword. After correcting the error, resubmit the command.

EMCCP9CE

Invalid director number xx

Cause
A Host Component command was being processed. The command specified verb SQ, type LINK or RDFGRP, and keyword parameter DIR. During parsing, the value xx specified by keyword parameter DIR was found to be invalid. The value must be numeric, not less than 1 and not greater than 128. This value error has caused rejection of the command.

Action
Provide a valid director number and resubmit the command.

EMCCP9DE

Unbalanced apostrophe or quotation mark
**Cause**
A Host Component command was being processed. During parsing, an apostrophe or quotation mark was found within the command. However, no balancing apostrophe or quotation mark was found. This syntax error has caused rejection of the command.

**Action**
Examine the command, locate the apostrophe or quotation mark and determine where the missing balancing apostrophe or quotation mark should be located. Insert the character and resubmit the command.

**EMCCP9FE**

Enter HELP SYNTAX for valid syntax. Invalid parameter entered nnnn.

**Cause**
A #HELP SYNTAX command was issued. During command parsing, it was discovered that the option for SYNTAX was not one of those allowed.

**Action**
Use the #HELP SYNTAX command to find the valid options. Specify one of the allowed options and reissue the command.

**EMCCPA0E**

Only LCL or RMT with subparameter 3 allowed

**Cause**
An #SC SRDFA command was issued. During command parsing, it was discovered that neither the LCL keyword parameter nor the RMT keyword parameter with an SRDF group number as subparameter 3 was specified. The location information for the command action entered must be specified via one of these parameters. Consequently, the command has failed.

**Action**
Include location information as required and reissue the command. Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for further information on specific requirements for the command action you specified.

**EMCCPA1E**

SC SRDFA_WP PTYPE action requires device range

**Cause**
An #SC SRDFA_WP command was issued with the PTYPE action. During command parsing, it was discovered that no range of devices whose write pacing type is to be set was specified. Consequently, the command has failed.

**Action**
Include a device range following the PTYPE keyword and reissue the command. Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for further information on specific requirements for the SRDFA_WP command type and PTYPE action.
EMCCPA2E

Delimiter , or ) not found following option option

Cause
A Host Component command was being processed. The command specified an option list that included the specified option, but a character other than a comma or a right parenthesis was found following the option. This syntax error has caused rejection of the command.

Action
Correct the erroneous command, including the missing comma or right parenthesis as appropriate, and resubmit the command.

EMCCPA3E

For SC SRDFA_WP PTYPE action, ALL option invalid

Cause
A Host Component command was being processed. During parsing, the SC verb, SRDFA_WP type and PTYPE action were detected, and the option ALL was specified. However, ALL is not valid with the PTYPE action. This consistency error has caused rejection of the command.

Action
If appropriate, remove the ALL option and resubmit the command.

EMCCPA4E

For SC SRDFA_WP PTYPE action, FORCE option invalid

Cause
An SRDF Host Component command was being processed. During parsing, the SC verb, SRDFA_WP type and ARM or DISARM action were detected, but no device range was specified. However, a device range must be specified with the ARM and DISARM actions. This syntax error has caused rejection of the command.

Action
Include a device range (a single PowerMax/VMAX device number or a hyphenated ascending pair of PowerMax/VMAX device numbers) and resubmit the command.

EMCCPA5E

SC SRDFA_WP ARM/DISARM action requires device range

Cause
An SRDF Host Component command was being processed. During parsing, the SC verb, SRDFA_WP type and ARM or DISARM action were detected, but no device range was specified. However, a device range must be specified with the ARM and DISARM actions. This syntax error has caused rejection of the command.

Action
Include a device range (a single PowerMax/VMAX device number or a hyphenated ascending pair of PowerMax/VMAX device numbers) and resubmit the command.
range was specified. However, a device range must be specified with the ARM and DISARM actions. This syntax error has caused rejection of the command.

**Action**
Include a device range (a single PowerMax/VMAX device number or a hyphenated ascending pair of PowerMax/VMAX device numbers) and resubmit the command.

---

**EMCCPA6E**

Invalid start device specification xxxxxxxx

**Cause**
A Host Component command was being processed. The command specified verb SQ, a device-oriented type such as VOL or MIRROR, a location parameter of cuu or using one of the keywords LCL, RMT or VOL, and a display count. However, during parsing, the startingdev# value following the display count was invalid. This value error has caused rejection of the command.

**Action**
Correct the error and resubmit the command.

---

**EMCCPA7E**

Start device specification not a valid volser

**Cause**
A Host Component command was being processed. The command specified verb SQ, a device-oriented type such as VOL or MIRROR, a location parameter and a display count. During parsing, the startingdev# value following the display count was invalid. Either the parser was requested to interpret this start device as a volser, or the location parameter was VOL and the parser was requested to interpret the start device according to the location parameter (as if global option SORT_BY_COMMAND was in effect). In either of these cases, the start device must be formatted as a volser. However, the start device was not in such a format. This value error has caused rejection of the command.

**Action**
Correct the error, if necessary, modifying the current global display sort order setting as described under SC GLOBAL in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide to establish the desired parsing option. Then resubmit the command.

---

**EMCCPA8E**

Start device specification not a valid MVS cuu

**Cause**
A Host Component command was being processed. The command specified verb SQ, a device-oriented type such as VOL or MIRROR, a location parameter and a display count. During parsing, the startingdev# value following the display count was invalid. Either the parser was requested to interpret this start device as an MVS cuu or the
location parameter was an MVS cuu and the parser was requested to interpret the start device according to the location parameter (as if global option SORT_BY_COMMAND was in effect). In either of these cases, the start device must be formatted as an MVS cuu. However, the start device was not in such a format. This value error has caused rejection of the command.

**Action**
Correct the error, if necessary, modifying the current global display sort order setting as described under SC GLOBAL in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide to establish the desired parsing option. Then resubmit the command.

---

**EMCCPA9E**

Start device specification not a valid device number

**Cause**
An SRDF Host Component command was being processed. The command specified verb SQ, a device-oriented type such as VOL or MIRROR, a location parameter and a display count. During parsing, the startingdev# value following the display count was invalid. Either the parser was requested to interpret this start device as an PowerMax/VMAX device number or the location parameter used the LCL or RMT keyword and the parser was requested to interpret the start device according to the location parameter (as if global option SORT_BY_COMMAND was in effect). In either of these cases, the start device must be formatted as an MVS cuu. However, the start device was not in such a format. This value error has caused rejection of the command.

**Action**
Correct the error, if necessary, modifying the current global display sort order setting as described under SC GLOBAL in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide to establish the desired parsing option. Then resubmit the command.

---

**EMCCPAAE**

SELECT invalid logical expression

**Cause**
A Host Component command was being processed. During command parsing, a SELECT keyword parameter was detected. However, the value specified by the SELECT parameter was an invalid logical expression. This syntax error has caused rejection of the command.

**Action**
Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for information on valid logical expression formats. Correct the error and resubmit the command.
**EMCCPABE**

**SELECT filter may only follow operator or left parenthesis**

**Cause**
A Host Component command was being processed and the SELECT keyword parameter was detected. During parsing of the select expression, a filter name was detected immediately following a right parenthesis, whereas a filter name may immediately follow only a left parenthesis or an operator (&, |, or !). This syntax error has caused rejection of the command.

**Action**
Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for information on valid logical expression formats. Correct the error and resubmit the command.

**EMCCPACE**

**SELECT left parenthesis may only follow operator or left parenthesis**

**Cause**
A Host Component command was being processed and the SELECT keyword parameter was detected. During parsing of the select expression, a left parenthesis was detected immediately following a filter name or a right parenthesis, whereas a left parenthesis may immediately follow only a left parenthesis or an operator (&, |, or !). This syntax error has caused rejection of the command.

**Action**
Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for information on valid logical expression formats. Correct the error and resubmit the command.

**EMCCPADE**

**SELECT right parenthesis may only follow filter or right parenthesis**

**Cause**
A Host Component command was being processed and the SELECT keyword parameter was detected. During parsing of the select expression, a right parenthesis was detected immediately following an operator (&, |, or !) or a filter name, whereas a right parenthesis may immediately follow only a right parenthesis or a filter name. This syntax error has caused rejection of the command.

**Action**
Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for information on valid logical expression formats. Correct the error and resubmit the command.
EMCCPAEE

SELECT binary operator may only follow filter or right parenthesis

Cause
A Host Component command was being processed and the SELECT keyword parameter was detected. During parsing of the select expression, a binary operator (& or |) was detected immediately following an operator (&, |, or !) or a filter name, whereas a binary operator may immediately follow only a right parenthesis or a filter name. This syntax error has caused rejection of the command.

Action
Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for information on valid logical expression formats. Correct the error and resubmit the command.

EMCCPAFE

SELECT unary operator may only follow binary operator or left parenthesis

Cause
A Host Component command was being processed and the SELECT keyword parameter was detected. During parsing of the select expression, a unary operator (!) was detected immediately following a right parenthesis, a filter name or a unary operator, whereas a unary operator may immediately follow only a binary operator (& or |) or a left parenthesis. This syntax error has caused rejection of the command.

Action
Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for information on valid logical expression formats. Correct the error and resubmit the command.

EMCCPB4E

Invalid GNS group name

Cause
An SQ or SC command was entered with the SCFG(gnsgrp) option, and groupname is not a valid GNS group name.

Action
Correct the group name and reenter the command.

EMCCPB5E

Invalid SMS/defined group name nnnn
**EMCCPB6E**

Invalid MSC/Star group name

**Cause**
You specified an invalid MSC group name or did not specify one.

**Action**
Review the section in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide detailing the acceptable MSC names and then specify an acceptable group name.

**EMCCPB7E**

Extraneous parameter detected where none was expected

**Cause**
An SRDF Host Component command was being processed. During parsing, a parameter was detected at a point when no additional parameters were expected. This syntax error has caused rejection of the command.

**Action**
Check the Dell EMC SRDF Host Component for z/OS Product Guide for the description of the entered command. Work backwards from the end of the command to determine which positional or keyword parameters are inappropriate. Correct the error and resubmit the command.

**EMCCPB8E**

Action/Option detected with no options specified

**Cause**
An SRDF Host Component configuration command was being processed. There was an action and option combination specified without an option.

**Action**
Refer to the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for a list of options that are valid with the specified action. Correct the error and resubmit the command.
**EMCCPB9E**

**SELECT not valid with specified action**

**Cause**
The SC VOL CREATEPAIR and CASCRE actions do not allow the SELECT filter.

**Action**
Resubmit the command without the use of the SELECT filter.

**EMCCPBAE**

**MVS CUU, LCL, RMT, VOL, G or SCFG required**

**Cause**
An SC or SQ command was issued. During command parsing, it was discovered that an invalid location specification for the command was used. Either a gatekeeper alone or one of the keyword parameters LCL, RMT, VOL, G, or SCFG with appropriate subparameters is required. Consequently, the command has failed.

**Action**
Specify the location information as required, and reissue the command. For more information, refer to the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide or the online Help syntax.

**EMCCPBBE**

**SELECT not valid with the NOEXEC option**

**Cause**
A Host Component command was being processed. The SELECT and NOEXEC keywords were both found and are prohibited. This syntax error has caused rejection of the command.

**Action**
Correct the error and resubmit the command.

**EMCCPBCE**

**Invalid Port specification found**

**Cause**
A command was entered with a specified port value not in the range of 0-31.

**Action**
Correct the port value and resubmit the command.
EMCCPBDE

Port specification is not allowed with director range

Cause
A command was entered to either add or remove directors from an SRDF group and a range of directors was specified with a port applied to the range.

Action
Correct the error and resubmit the command.

EMCCPBEE

CNTL/CONTROLLER or PORT action is required.

Cause
An SQ VIEWRA command was specified and neither 'REFRESH', 'PORT', or 'CNTL' were specified.

Action
Re-enter the SQ VIEWRA command with one of the keywords specified: 'REFRESH', 'PORT', or 'CNTL'. Refer to the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for keyword explanation and syntax description.

EMCCPBFE

Only CUU or RMT(cuu,mhlist) location allowed.

Cause
The command does not allow specifying a location using syntax other than CUU or RMT(cuu,hoplist).

Action
Use the CUU or RMT(cuu,hoplist) syntax in the command and retry.

EMCCPC1E

RDY must be specified with R/W

Cause
A CREATEPAIR was issued with the R/W option without specifying the RDY option. Command cannot be executed.

Action
Specify CREATEPAIR(R/W,RDY) and retry.
EMCCPC2E

Specified max # of ranges must be 1-256

Cause
An out of bounds value was provided for multirange max number of ranges via either SRDF Host Component initialization parameter: MULTI_RANGEON(......) or via command: SC GLOBAL,MULTI_RANGEON(......).

Action
Correct the max number of ranges value provided by the initialization parameter if it was specified, and issue SC GLOBAL,PARM_REFRESH. If the error resulted from the SC GLOBAL,MULTI_RANGEON(......) command, reissue the command with an appropriate value (1-256).

EMCCPC3E

Specified max # of devices must be 1-2048

Cause
An out of bounds max number of devices was specified for multirange via either SRDF Host Component initialization parameter: MULTI_RANGEON(......) or via command: SC GLOBAL,MULTI_RANGEON(......).

Action
Adjust the value in the initialization parameter value and issue SC GLOBAL,PARM_REFRESH or reissue the SC GLOBAL,MULTI_RANGEON(......) command with an appropriate value for max number of devices (1-2048).

EMCCPC4E

Microcode level must be 5876.286 or higher.

Cause
Creation of an SRDF group between a VMAX2 and VMAX3 storage system was attempted where the VMAX2 did not have operating environment level 5876.286 or later.

Action
Update the operating environment on the VMAX2 system to 5876.286 or later.

EMCCPC5E

GPACE/NOGPACE option required

Cause
An #SC SRDFA_WP command was issued with the PTYPE action and without the GPACE/NOGPACE argument. Command aborted.
**EMCCPC6E**

SC RDFGRP cannot add/remove more than eight director/port combinations

**Cause**
An #SC RDFGRP command was issued for which more than eight director/port combinations were specified. This is not allowed.

**Action**
Correct the specification and retry.

**EMCCPC7E**

5-digit CUU is disallowed

**Cause**
A command has been issued against a 5-digit CUU. SRDF Host Component does not support issuing commands against a 5-digit CUU.

**Action**
Specify a 4-digit CUU and retry.

**EMCCPC8E**

SC RDFGRP ADD length of LABEL cannot be more than 10 characters.

**Cause**
When issuing an SC REFGRP, ADD command, a LABEL value was specified that exceeds 10 characters.

**Action**
Specify a LABEL of 10 or less characters and retry.

**EMCCPC9E**

Incorrect parameter detected where director was expected

**Cause**
An #SC LINK command has been issued with the director specified incorrectly on the command (wrong place or invalid value).

**Action**
Specify a valid director in accordance with the #SC LINK syntax.
EMCCQ01I

QUEUED BY NAME COMMAND PURGED: command text

Cause
A previous command in the queue failed and purge was in effect.

Action
Identify and correct the failing command, and submit the purged commands again.

EMCCR01E

SC(ONFIG) RDFGRP, INVALID RDFGRP, MUST BE A VALID RDFGRP ON A FIBER RA

Cause
An #SC RDFGRP command was issued with an action of ADD or MODIFY and either an invalid group number was specified, or an invalid director list was specified.

Action
Ensure that the directors listed in the LDIR and RDIR parameters are all valid Fibre or Gig-E SRDF directors. You cannot mix Fibre and Gig-E directors in the same group, nor can you have Gig-E directors on one side and Fibre directors on the other side. Ensure that the SRDF group number specified for either side is a valid group number for the operating environment level(s) running on both sides.

EMCCR02E

SC(ONFIG) RDFGRP, ACTION MUST BE SYNCH_DIRECTION, ADD, MODIFY, OR DELETE

Cause
An #SC RDFGRP,p1,p2,p3 command was issued with specified p1=cuu, p2=action, and p3=rdfgroup# parameters. The specified p2 is not a valid action.

Action
Specify a valid action of SYNCH_DIRECTION, ADD, MODIFY, or DELETE when issuing the #SC RDFGRP command.

EMCCR02R

SRDF_CMPR ACT requested for yyyyyyyyyyyy RDF Grp xx, reply CONTINUE to proceed or CANCEL to terminate

Cause
An #SC SRDF_CMPR command with an ACT action has been issued and operator verification of the command is required.
Action
Reply CONTINUE to allow the command to proceed or CANCEL to terminate the command without activating SRDF compression.

EMCCR03E

SC(ONFIG) RDFGRP,xx,ONLINE BUT ALREADY ONLINE

Cause
An #SC RDFGRP,p1,p2,p3 command was issued with specified p1=cuu,p2=State(Online/Offline), and p3=srdfgrp parameters. The specified p2 is requesting a state change to a state that the srdfgrp is already in.

Action
Issue an #SQ RDFGRP, cuu command to determine the current status of the srdfgrp.

EMCCR03R

SRDF_CMPR DEACT requested for yyyyyyyyyyyyy RDF Grp xx, reply
CONTINUE to proceed or CANCEL to terminate

Cause
An #SC SRDF_CMPR command with a DEACT action has been issued and operator verification of the command is required.

Action
Reply CONTINUE to allow the command to proceed or CANCEL to terminate the command without deactivating SRDF compression.

EMCCR04E

SC(ONFIG) RDFGRP,xx,OFFLINE BUT ALREADY OFFLINE

Cause
An #SC RDFGRP,p1,p2,p3 command was issued with specified p1=cuu,p2=State(Online/Offline), and p3=srdfgrp parameters. The specified p2 is requesting a state change to the state that the SRDF group is already in.

Action
Issue a #SQ RDFGRP, cuu command to determine the current status of the SRDF group.

EMCCR04R

SRDFA_WP AUTO_ACT requested for yyyyyyyyyyyyy RDF Grp xx, reply
CONTINUE to proceed or CANCEL to terminate

Cause
An #SC SRDFA_WP command with an AUTO_ACT action has been issued, and operator verification of the command is required.
Action
Reply CONTINUE to allow the command to proceed or CANCEL to terminate the command without modifying the write pacing auto-activate setting.

EMCCR05E

SC(ONFIG) RDFGRP PARAMETER ERROR

Cause
An #SC RDFGRP command was issued with invalid parameters.

Action
Review the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for the correct format of the command. Re-enter the command with the correct parameters. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCCR05R

SRDFA_WP ACT requested for yyyy-yyyyyyyyy RDF Grp xx, reply CONTINUE to proceed or CANCEL to terminate

Cause
An #SC SRDFA_WP command with an ACT action has been issued, and operator verification of the command is required.

Action
Reply CONTINUE to allow the command to proceed or CANCEL to terminate the command without activating SRDF/A write pacing.

EMCCR06R

SRDF IS GOING TO ALTER THE STATE OF AN RDF GROUP, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause
An #SC RDFGRP,p1,p2,p3 command was issued with specified p1=cuu,p2=State(Online/Offline), and p3=srdgrp parameters.

Action
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR07E

SC(ONFIG) RDFGRP,SYNCH_DIRECTION, SPECIFIED BUT R1>R2, R1<R2, NONE, OR, CNFG WAS NOT FOUND
Cause
An #SC RDFGRP,SYNCH_DIRECTION,xxxx command was issued, but xxxx is not a valid value.

Action
Change the command using either of the following valid values for xxxx: R1>R2, R1<R2, NONE, OR, CNFG.

EMCCR08E

SC(ONFIG) RDFGRP,SYNCH_DIRECTION, SPECIFIED BUT RDFGROUP grp# OFFLINE - CANNOT COMPLETE

Cause
An #SC RDFGRP command was issued to set the sync direction for a group, but the group was offline.

Action
The operation is terminated.

EMCCR0AI

NOEXEC specified, terminating

Cause
An #SC VOL command was issued with an action that specified the NOEXEC option. Validation of the action has completed successfully. As indicated by the NOEXEC option, the action is bypassed and command processing terminates. This is a non-error condition.

Action
None. If the action proceeds after successful validation, remove the NOEXEC option and reissue the command.

EMCCR0BI

Director x already in RDF group director list, not added

Cause
An #SC RDFGRP command was issued with a MODIFY action, and a link director was specified to be added from the SRDF group's local or remote director list. However, the director was already in the SRDF group's director list, so the add was skipped.

Action
Check that the specified SRDF group, the director number, and the remove indicator (-) were all specified as intended. If not, correct the error and resubmit the command. Otherwise, no action is needed.
EMCCR0CI

**Director xx not in RDF group director list, not removed**

**Cause**
An #SC RDFGRP command was issued with a MODIFY action, and a link director was specified to be removed from the SRDF group's local or remote director list. However, the director was not found in the SRDF group's director list, so the removal was skipped.

**Action**
Check that the specified SRDF group, the director number, and the remove indicator (-) were all specified as intended. If not, correct the error and resubmit the command. Otherwise, no action is needed.

EMCCR0DI

**No director list changes needed on Lcl side**

**Cause**
An #SC RDFGRP command was issued with a MODIFY action. However, either no link directors were specified to be added or removed on the local side or no director list changes were required for the local side as indicated by messages EMCCR0AI or EMCCR0BI. In either case, no action is necessary for the local side.

**Action**
None.

EMCCR0EI

**No director list changes needed on Rmt side**

**Cause**
An #SC RDFGRP command was issued with a MODIFY action. However, either no link directors were specified to be added or removed on the remote side or no director list changes were required for the remote side as indicated by messages EMCCR0AI or EMCCR0BI. In either case, no action is necessary for the remote side.

**Action**
None.

EMCCR0FR

**SRDFA_WP DEACT requested for yyyyyyyyyyyy RDF Grp xx, reply CONTINUE to proceed or CANCEL to terminate**

**Cause**
An #SC SRDFA_WP command with a DEACT action has been issued, and operator verification of the command is required.
Action
Reply CONTINUE to allow the command to proceed or CANCEL to terminate the command without deactivating SRDF/A write pacing.

EMCCR10I

STARTING WAIT FOR SRDF/A CYCLE SWITCH

Cause
The SRDF/A PEND_DEACT or PEND_DROP command was issued and the code is waiting for the cycle switch before completion of the command.

Action
None.

EMCCR11I

END OF WAIT FOR SRDF/A CYCLE SWITCH

Cause
The SRDF/A PEND_DEACT or PEND_DROP command was issued and SRDF Host Component is finished waiting for the cycle switch to test for completion of the command.

Action
None.

EMCCR12I

SRDF/A COMMAND COMPLETION RETRY

Cause
An SRDF/A command was issued and SRDF Host Component has detected that the action has not completed. The command is being reissued.

Action
None.

EMCCR13E

Command allowed only if remote side inaccessible

Cause
A DROP_SIDE action was used to request termination of an SRDF/A session from one side only. However, the SRDF/A session is active, and consequently the SRDF/A session must be terminated on both sides.
Action
If the SRDF/A session is to be terminated, use an action that operates on both sides of the SRDF/A session such as PEND_DROP, PEND_DEACT, CONS_DEACT, DEACT_TO_ADCOPY or DEACT_TO_ADCOPY_DISK.

EMCCR14E

Command not allowed if remote side inaccessible

Cause
The SRDF/A DROP action cannot be run against a group that is not online.

Action
Determine why the group is offline. Take the appropriate steps to bring it online in the desired mode.

EMCCR15E

RDF group srdfgrp not found

Cause
A command specified an SRDF group in a “LCL(“ or “RMT(“ parameter, but the SRDF group is undefined or unavailable. The command is rejected.

Action
If the SRDF group was specified incorrectly, correct it and submit the command again. If the SRDF group was specified correctly, determine why it is unavailable. Begin your investigation with the #SQ RDFGRP command.

EMCCR16E

Remote RDF group % unavailable, SYNCH_DIRECTION not set

Cause
An #SC RDFGRP command with the SYNCH_DIRECTION action has been issued. However, the synchronization direction could not be set because the other-side storage system of the SRDF group is inaccessible, perhaps due to a malfunctioning or link director.

Action
Reissue the command when connectivity to the other-side storage system has been reestablished.

EMCCR17R

SRDFA WP DSE_THOLD requested for yyyyyyyyyyyyy RDF Grp xx, reply CONTINUE to proceed or CANCEL to terminate
**EMCCR18R**

**Cause**
An #SC SRDFA_WP command with a DSE_THOLD action has been issued and operator verification of the command is required.

**Action**
Reply CONTINUE to allow the command to proceed or CANCEL to terminate the command without modifying the DSE pool threshold for the SRDF/A group.

**EMCCR19E**

**Cause**
An #SC SRDFA_WP command with a MAXDELAY action has been issued, and operator verification of the command is required.

**Action**
Reply CONTINUE to allow the command to proceed or CANCEL to terminate the command without modifying the maximum delay time that may be applied to a host write operation for the SRDF/A group.

**EMCCR1CE**

**Cause**
Multi-hop loop detected, command cannot run

**Action**
Using #SQ RDFGRP commands as an aid, determine a path that will lead to the storage system on which the entered command is to be processed without encountering any single storage system more than once. Note that the storage system determined by the gatekeeper specified as the first subparameter of the “RMT(“ keyword is included in the path.

**Cause**
An SC VOL command was issued to a device that is in an SRDF/Metro group. The request was aborted.

**Action**
Use another device in the command.
**EMCCR1EE**

**Mixed director types are not supported**

**Cause**
An #SC RDFGRP ADD or MODIFY command was issued but the director list specified contained mixed director types.

**Action**
Select matching director types and re-enter the command.

---

**EMCCR1FE**

**Director nn does not exist on a Symm nnnnnnnnnnn**

**Cause**
An #SC RDFGRP ADD or MODIFY command was issued; however, the director specified in the command does not exist on the storage system.

**Action**
Check the director number and re-enter the command.

---

**EMCCR20E**

**SRDF/A COMMAND NEEDS TO BE ISSUED ON PRIMARY SIDE**

**Cause**
An attempt was made to issue an SRDF/A command on the secondary side of the SRDF/A session. However, the issued command can only be run on the primary side of the SRDF/A session.

**Action**
Issue the command again from the primary side of the SRDF/A session.

---

**EMCCR21E**

**SRDF/A COMMAND NEEDS TO BE ISSUED ON SECONDARY SIDE**

**Cause**
An attempt was made to issue an SRDF/A command on the primary side of the SRDF/A session. However, but the command can only be run on the secondary side of the SRDF/A session.

**Action**
Issue the command again from the secondary side.
EMCCR22E

SRDF/A COMMAND MUST RUN FROM CLOSEST POINT (id)

Cause
An SRDF/A command using the “RMT(“ command format was issued, and the SRDF/A group targeted by the command spans two storage systems in the SRDF group hop sequence. However, SRDF/A commands cannot be run on the far side of the SRDF/A session. In the message, /d/ indicates the point in hop list analysis at which the error was detected.

Action
Modify the command as required and submit it again. Run the command again using the shortest hop list. Depending on the format of the failing command, it will be necessary to either change 'RMT(‘ to 'LCL(' or to alter the hoplist subparameter of 'RMT('.

EMCCR23E

SRDF/A DROP COMMAND CANNOT RUN, SRDF/A IS NOT ACTIVE FOR RDF GROUP srdgrp

Cause
An SRDF/A DROP command was attempted. This command can only be processed when SRDF/A is active. The message provides the SRDF group number specified in the command.

Action
If either the SRDF group number or the gatekeeper was specified incorrectly, correct the erroneous value and submit the command again.

EMCCR24E

SRDF/A PEND_DEACT COMMAND CANNOT RUN, SRDF/A IS NOT ACTIVE FOR RDF GROUP srdgrp

Cause
An SRDF/A PEND_DEACT command was attempted. This command can only be processed when SRDF/A is active. The message provides the SRDF group number specified in the command.

Action
If either the SRDF group number or the gatekeeper was specified incorrectly, correct the erroneous value and submit the command again.
EMCCR25E

SRDF/A PEND_DROP COMMAND CANNOT RUN, SRDF/A IS NOT ACTIVE FOR RDF GROUP srdfgrp

Cause
An SRDF/A PEND_DROP command was attempted. This command can only be processed when SRDF/A is active. The message provides the SRDF group number specified in the command.

Action
If either the SRDF group number or the gatekeeper was specified incorrectly, correct the erroneous value and submit the command again.

EMCCR26E

SRDF/A SUSPEND COMMAND CANNOT RUN, SRDF/A IS NOT ACTIVE FOR RDF GROUP srdfgrp

Cause
An SRDF/A SUSPEND command was attempted. This command can only be processed when SRDF/A is active. The message provides the SRDF group number specified in the command.

Action
If either the SRDF group number or the gatekeeper was specified incorrectly, correct the erroneous value and submit the command again.

EMCCR27E

SRDF/A SUSPEND COMMAND CANNOT RUN, SRDF/A IS ALREADY SUSPENDED

Cause
An SRDF/A SUSPEND command was attempted, but SRDF/A is already suspended.

Action
Only run the SUSPEND command when SRDF/A is not suspended.

EMCCR28E

SRDF/A RESUME COMMAND CANNOT RUN, SRDF/A IS NOT ACTIVE FOR RDF GROUP srdfgrp

Cause
An SRDF/A RESUME command was attempted, but SRDF/A is not active. If either the SRDF group number or the gatekeeper was specified incorrectly, correct the erroneous value and submit the command again.

Action
Only run the RESUME command when SRDF/A is both active and suspended.
EMCCR29E

**SRDF/A RESUME COMMAND CANNOT RUN, SRDF/A IS NOT SUSPENDED FOR RDF GROUP srdfgrp**

**Cause**
An SRDF/A RESUME command was attempted, but SRDF/A is not suspended.

**Action**
Only run the RESUME command when SRDF/A is both active and suspended.

EMCCR2AE

**SRDFA DROP_SIDE COMMAND CANNOT RUN, SRDF/A IS NOT ACTIVE FOR RDF GROUP srdfgrp**

**Cause**
An #SC SRDFA DROP_SIDE command was issued to an SRDF group that does not have SRDF/A active. DROP_SIDE is used to drop SRDF/A when SRDF/A is in Transmit Idle and requires SRDF/A active.

**Action**
Verify the SRDF group that the command was issued to. If either the SRDF group number or the gatekeeper was specified incorrectly, correct the erroneous value and submit the command again.

EMCCR2BE

Enginuity level is 5x71 or higher, 'SC SRDFA' commands require LCL( or RMT( .

**Cause**
The cuu format of the SRDF/A command is not supported at Enginuity 5x71 and later levels of the operating environment.

**Action**
Specify the command again using the LCL syntax SRDFA,LCL(cuu,ra),action or the RMT syntax SRDFA,RMT(cuu,ra),action.

EMCCR2CE

DSE commands cannot run, SRDF/A is not active for RDF group srdfgrp

**Cause**
A DSE command (#SC SRDFA_DSE) was issued for an SRDF group on which SRDF/A is not active. However, the action specified on the command requires SRDF/A to be active on the group specified in the command.
Action
Activate SRDF/A on the group by means of an #SC SRDFA,...,ACT command. Then submit the DSE command again.

EMCCR2DE

DSE command cannot run, DSE is not active for RDF group srdfgrp

Cause
A DSE command (#SC SRDFA_DSE) was issued. However, the command requires DSE to have been previously activated on the SRDF/A group, and DSE was inactive on the SRDF/A group.

Action
Activate DSE on the SRDF/A group by means of the #SC SRDFA_DSE,...,ACT command. Then submit the original command again.

EMCCR2EE

DSE ACT command cannot run, DSE is already active for RDF group srdfgrp

Cause
An #SC SRDFA_DSE,...,ACT command was issued. However, DSE was already active on the specified SRDF group.

Action
None.

EMCCR2FE

DSE ACT command cannot run, no pools defined for SRDF/A session

Cause
An #SC SRDF_DSE,...,ACT command was issued. To activate DSE on an SRDF/A session, a pool must have previously been defined for the session. However, no pools are currently defined.

Action
Define a pool for the SRDF/A session as described in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide. Then reissue the command.

EMCCR30E

SRDF/A ACT COMMAND CANNOT RUN SINCE SRDF/A IS ALREADY ACTIVE

Cause
An SRDF/A ACT command was attempted, but SRDF/A is already active.
Action
The SRDF/A ACT command can only be run when SRDF/A is inactive and all devices are ready on the link.

EMCCR31E

SRDF/A cmd COMMAND CANNOT RUN SINCE SOME SRDF/A DEVICES ARE TGT-NRDY.

Cause
An SRDF/A command was attempted that requires all devices ready on the link.

**cmd** can be **ACT** or **TOL_ON**.

Action
Run the command again when all devices are ready on the link.

EMCCR32I

WAITING SINCE SRDF/A CLEANUP IS RUNNING

Cause
When SRDF/A leaves the active state, it goes into a special state called cleanup. Cleanup in the primary side will last approximately 30 seconds. Cleanup on the secondary side will be about 30 seconds unless SRDF/A has been running in MSC. If SRDF/A has been running in MSC and host intervention is required, then cleanup can last until the host intervenes. When SRDF/A is in cleanup mode, certain SRDF commands will be blocked. In particular, all **#SC SRDFA** commands will be blocked until cleanup is done.

Action
Wait until cleanup is finished and then issue the command again.

EMCCR33E

SRDFA cccccc cccccc COMMAND CANNOT RUN SINCE DEVICE dev# IS AN IN USE BCV

Cause
An **#SC SRDFA** command cccccc has been issued to an SRDF group that has at least one device dev# that is currently being used as a BCV and therefore cannot be used as an SRDF device.

Action
In order to issue the command cccccc, you need to have only SRDF devices in the SRDF group. Split all SRDF devices that are currently being used as BCVs and reissue the command.

EMCCR34E

SRDFA cccccc cccccc COMMAND CANNOT RUN SINCE DEVICE dev# IS IN A CONGROUP
**EMCCR36E**

**Cause**
An `#SC SRDFA command ccccccccc` has been issued to an SRDF group that has at least one device `dev#` belonging to a consistency group.

**Action**
Remove the device `dev#` from the consistency group and reissue the command.

**EMCCR37E**

**Cause**
When trying to activate SRDF/A, all devices in the SRDF group must be in the same cache partition. When the scan of the devices was done, it was determined that device `symdv#` was not in the same cache partition as other devices in the SRDF group.

**Action**
Ensure that your cache partition has all of the devices in the SRDF group. SRDF/A and SRDF_DSE cannot run when the devices in the SRDF group are not all in the same cache partition.

**EMCCR38R**

**Cause**
An `SC CNFG,xxxx,SYNCH_DIRECTION,xxxx` command has been issued for the indicated storage system. Since the `OPERATOR_VERIFY=ALL` initialization parameter is specified, you are asked to approve or terminate the command.
Action
Reply CONTINUE to process the command. SRDF Host Component will issue message EMCGM07I if successful. Reply CANCEL to terminate the command. SRDF Host Component will not attempt to process the command, and will issue message EMCGM10E.

EMCCR39R

SYNCH_DIRECTION change request for RDF group, reply CONTINUE to proceed, CANCEL to terminate

Cause
An #SC RDFGRP command with a SYNCH_DIRECTION action has been issued, and operator verification of the action is required.

Action
Reply CONTINUE to allow the command to proceed or CANCEL to terminate the command without changing the synch direction.

EMCCR3AE

ONE OR MORE DIRECTORS ON THE % SIDE AT MAX # OF GROUPS XX XX XX XX XX

Cause
An SC RDFGRP MODIFY or SC RDFGRP ADD command exceeded the 64 group limit on a director. The second line of this message lists up to 8 directors that are at the maximum number of groups. For MODIFY actions, both the remote and the local sides are checked. For ADD actions, only the local side is checked.

Action
Retry the command, specifying directors that are not at the maximum number of groups.

EMCCR3BE

Cannot set tolerance off, not in tolerance mode

Cause
An #SC SRDFA command was issued with a TOL_OFF action. However, the SRDF/A session identified in the command is not in tolerance mode. Consequently, the action has been rejected.

Action
None.

EMCCR3CE

Device must not be protected by CONGROUP Dev symdv#
Cause
A device belonging to the SRDF group was protected by a consistency group and activating SRDF/A would cause ConGroup to drop, resulting in a loss of consistency group protection. symdv# indicates the device number of the first device protected by a consistency group.

Action
If you still want to activate SRDF/A on the group, you must disable the consistency group that is protecting the devices in this SRDF group.

EMCCR3DR

SRDFA_WP PTYPE requested for yyyy yyyy yyyy RDF Grp xx, reply CONTINUE to proceed or CANCEL to terminate

Cause
An #SC SRDFA_WP command with a PTYPE action has been issued and operator verification of the command is required.

Action
Reply CONTINUE to allow the command to proceed or CANCEL to terminate the command without modifying the write pacing attributes applying to the SRDF/A group.

EMCCR3ER

MS_DISCARD REQUESTED TO SRDF/A FOR symmetrix_serial# REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause
An SRDF/A MS_DISCARD command was attempted and the operator verify is on.

Action
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR3FR

MS_COMMIT REQUESTED TO SRDF/A FOR symmetrix_serial# REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause
An SRDF/A MS_COMMIT command was attempted and the operator verify is on.

Action
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.
**EMCCR40R**

SRDFA_WP STATS_OFF requested for yyyyyyyyyy RDF Grp xx, reply CONTINUE to proceed or CANCEL to terminate.

**Cause**
An #SC SRDFA_WP command with a STATS_OFF action has been issued and operator verification of the command is required.

**Action**
Reply CONTINUE to allow the command to proceed or CANCEL to terminate the command without deactivating the collection of write pacing statistics for the SRDF/A group.

**EMCCR41R**

DROP REQUESTED TO SRDF/A FOR symmetrix_serial# REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE.

**Cause**
An SRDF/A DROP command was attempted and operator verify is on.

**Action**
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

**EMCCR42R**

ACT REQUESTED TO SRDF/A FOR symmetrix_serial# REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE.

**Cause**
An SRDF/A ACT command was attempted and the operator verify is on.

**Action**
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

**EMCCR43R**

PEND_DEACT REQUESTED TO SRDF/A FOR symmetrix_serial# REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE.

**Cause**
An SRDF/A PEND_DEACT command was attempted and operator verify is on.

**Action**
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.
EMCCR44R
PEND_DROP REQUESTED TO SRDF/A FOR symmetrix_serial# REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause
An SRDF/A PEND_DROP command was attempted and operator verify is on.

Action
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR45R
TOL_ON REQUESTED TO SRDF/A FOR symmetrix_serial# REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause
An SRDF/A TOL_ON command was attempted, and operator verify is on.

Action
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR46R
TOL_OFF REQUESTED TO SRDF/A FOR symmetrix_serial# REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause
An SRDF/A TOL_OFF command was attempted, and operator verify is on.

Action
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR47R
SUSPEND REQUESTED TO SRDF/A FOR symmetrix_serial# REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause
An SRDF/A SUSPEND command was attempted, and operator verify is on.

Action
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.
EMCCR48R

RESUME REQUESTED TO SRDF/A FOR symmetrix_serial# REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause
An SRDF/A RESUME command was attempted, and operator verify is on.

Action
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR49R

SET_PR REQUESTED TO SRDF/A FOR symmetrix_serial# REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause
An SRDF/A SET_PR command was attempted, and operator verify is on.

Action
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR4AR

CLR_PR REQUESTED TO SRDF/A FOR symmetrix_serial# REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause
An SRDF/A CLR_PR command was attempted, and operator verify is on.

Action
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR4BR

MS_ON REQUESTED TO SRDF/A FOR symmetrix_serial# REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause
An SRDF/A MS_ON command was attempted and the operator verify is on.

Action
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.
EMCCR4CR

MS_OFF REQUESTED TO SRDF/A FOR symmetrix_serial# REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause
An SRDF/A MS_OFF command was attempted and the operator verify is on.

Action
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR4DR

MS_OPEN_W REQUESTED TO SRDF/A FOR symmetrix_serial# REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause
An SRDF/A MS_OPEN_W command was attempted and the operator verify is on.

Action
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR4ER

MS_CLOSE_W REQUESTED TO SRDF/A FOR symmetrix_serial# REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause
An SRDF/A MS_CLOSE_W command was attempted and the operator verify is on.

Action
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR4FR

MS_CYCLE_SW REQUESTED TO SRDF/A FOR symmetrix_serial# REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause
An SRDF/A MS_CYCLE_SW command was attempted and the operator verify is on.

Action
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.
EMCCR50E

INXORRECT DYNAMIC GROUP  FLAGS

Cause
An #SC RDFGRP command was issued to add or modify a dynamic SRDF group, and an invalid flag setting was specified.

Action
Reissue the command with the correct flag settings. Review the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for the flag settings that can be specified for ADD or MODIFY.

EMCCR50R

SRDF_WP STATS_ON requested for yyyyyyyyyyyyy RDF Grp xx, reply CONTINUE to proceed or CANCEL to terminate

Cause
An #SC SRDFA_WP command with a STATS_ON action has been issued and operator verification of the command is required.

Action
Reply CONTINUE to allow the command to proceed or CANCEL to terminate the command without activating the collection of write pacing statistics for the SRDF/A group.

EMCCR51E

SC(ONFIG) RDFGRP parmval NOT VALID FOR action

Cause
An #SC RDFGRP command was entered with a parameter that is not valid for the specified action code. In the message, action indicates the action code and parmval indicates the parameter that was in error, as follows:

- parmval is RDIR, LDIR, LABEL, RGRP, or RSER
- action is ADD, MODIFY, or DELETE

Action
Reenter the command with the correct action code and parameters. Refer to the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for the correct format of the #SC RDFGRP command.

EMCCR51R

SRDFA_WP STATS_RESET requested for yyyyyyyyyyyyy RDF Grp xx, reply CONTINUE to proceed or CANCEL to terminate
Cause
An #SC SRDFA_WP command with a STATS_RESET action has been issued and operator verification of the command is required.

Action
Reply CONTINUE to allow the command to proceed or CANCEL to terminate the command without resetting the write pacing statistics for the host.

EMCCR52E

SC(ONFIG) RDFGRP parameter PARAMETER INVALID

Cause
An #SC RDFGRP command was requested but the value for a specified command parameter (parameter) is not valid.

Action
Review the #SC RDFGRP command in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide and reissue the command with valid parameters.

EMCCR52R

SRDFA_WP THRESHOLD requested for yyyyyyyyyyyyy RDF Grp xx, reply CONTINUE to proceed or CANCEL to terminate

Cause
An #SC SRDFA_WP command with a THRESHOLD action has been issued, and operator verification of the command is required.

Action
Reply CONTINUE to allow the command to proceed or CANCEL to terminate the command without modifying the cache usage threshold value at which write pacing will be initiated for the SRDF/A group.

EMCCR53E

Cascaded srdf/a is not supported

Cause
An attempt to activate SRDF/A on one leg of a cascaded set while the other leg is already active in SRDF/A mode. This is not allowed.

Action
Review the action and make sure that it was issued to the correct SRDF group.

EMCCR54E

SC(ONFIG) RDFGRP REQUIRED PARAMETER(S) MISSING: missing-parameter-list
Cause
An `#SC RDFGRP` command was requested but the listed required parameters were not specified in the command.

Action
Review the `#SC RDFGRP` command in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide and reissue the command with the required parameters.

**EMCCR55E**

```
SRDFA cccccccc ACTION NOT ALLOWED FOR GROUP # - ALL DEVICES MUST BE R1/R21 OR R2
```

Cause
An `#SC SRDFA` command specifying action `cccccccc` has been issued to a SRDF group that has both R1/R21 and R2 devices. The indicated action, either `ACT` or `TOL_OFF`, may be taken only for an SRDF group with either all R1/R21 devices or all R2 devices.

Action
Using dynamic SRDF commands, you can change device characteristics such that all devices in the SRDF group are either R1/R21 or R2. After changing device characteristics, you can reissue the command.

**EMCCR56R**

```
DEACT_TO_ADCOPY FOR symmetrix_serial# REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
```

Cause
An `#SRDF/A DEACT_TO_ADCOPY` command was attempted and operator verification is required.

Action
Reply CONTINUE to allow the command to process or CANCEL to terminate the command. If operator verification should not be required, it may be eliminated by changing the `OPERATOR_VERIFY` initialization parameter and refreshing the initialization parameters by means of the `SC GLOBAL,PARM_REFRESH` command.

**EMCCR57R**

```
DEACT_TO_ADCOPY_DISK FOR symmetrix_serial# REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
```

Cause
An `#SRDF/A DEACT_TO_ADCOPY_DISK` command was attempted and operator verification is required.

Action
Reply CONTINUE to allow the command to process or CANCEL to terminate the command. If operator verification should not be required, it may be eliminated by
changing the OPERATOR_VERIFY initialization parameter and refreshing the initialization parameters using the SC GLOBAL_PARM_REFRESH command.

**EMCCR58E**

**DYNAMIC GROUP ACTION, STAR FLAG REQUIRED**

**Cause**
An #SC RDFGROUP command has been issued that is only valid for an SRDF group running in SRDF/Star.

**Action**
If you are not using SRDF/Star, do not use this command. If you have SRDF/Star and the STAR indicator is not set on the SRDF group, then you cannot issue the command at this time. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Ensure you have the SYSLOG, the job log, and all relevant job documentation available.

**EMCCR59E**

**SC SRDFA_DSE POOL PARAMETER MISSING OR INVALID**

**Cause**
An #SC SRDFA_DSE FBA_POOL, 3390_POOL, 3380_POOL or A400_POOL command has been issued, but the pool name is not specified in the form p(xxxxxxxx) or p() and/or the name specified cannot be located in the pools.

**Action**
Specify the pool name in the correct format and verify that the name used is the name of the pool as defined.

**EMCCR5AE**

**Cannot activate SRDF/A on RDF group group-number (rsn)**

**Cause**
An #SC SRDFA,...,ACT request was entered. The activation cannot be performed. One or more of the following messages will indicate the reason. The reason code rsn identifies the condition that cause the command to fail as follows:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>A device on the primary side of the SRDF group on which SRDF/A was to be activated is already in an active SRDF/A session on another mirror. A device may participate in only one SRDF/A session at a time.</td>
</tr>
<tr>
<td>2</td>
<td>While validating a device on the primary side of the SRDF group on which SRDF/A was to be activated, it was determined that the remote partner of the device is cascaded. A</td>
</tr>
</tbody>
</table>
A device on the secondary side of the SRDF group on which SRDF/A was to be activated is already in an active SRDF/A session on another mirror. A device may participate in only one SRDF/A session at a time.

**Action**
If the reason code has not provided sufficient information to identify the problem and suggest a course of action, examine the following message to determine the reason.

**EMCCR5BE**

SRDF/A is already active on RDF group srdfgrp

**Cause**
A request to activate SRDF/A on an RDF group failed because one or more devices that would participate in the requested SRDF/A session are already active in another SRDF/A session. A device can participate in only one SRDF/A session at a time.

**Note**
The device causing the failure can be a cascaded device on the remote side of the SRDF group.

**Action**
Examine the active SRDF/A session to determine whether it should be deactivated. If so, deactivate it and submit the activate command again.

**EMCCR5DE**

Cannot set tolerance off, not all SRDF/A device pairs are ready on the link

**Cause**
A request was made to set the tolerance attribute of an SRDF/A session off. However, at least one device in the SRDF/A group is in state TNR. Setting tolerance off would cause the SRDF/A session to immediately drop, so SRDF Host Component will not allow this action.

**Action**
Ensure that all devices in the SRDF/A group are ready on the link; for example, by issuing appropriate SC VOL,...,RDF_RSUM commands. Then reissue the SC SRDFA,....TOL_ON command.

**EMCCR5EE**

SRDF/A activate denied, secondary devices diskless
Cause
An activate action has been requested for an SRDF/A group whose secondary side includes diskless R21 devices. However, SRDF/A may not be activated in this situation, so the request has been denied.

Action
Do not attempt to activate SRDF/A in such a configuration. If appropriate, eliminate the cascaded leg of the diskless devices and reissue the command.

EMCCR5FI

NOEXEC specified, operator verification bypassed

Cause
An #SC VOL command was issued, and the NOEXEC option was specified. Consequently, no device state changes will take place, so operator verification is not needed. Instead, this message is issued to indicate that if the NOEXEC option had not been specified then operator verification would have been required.

Action
None.

EMCCR60E

DYNAMIC GROUP action SYSCALL xxxx FAILED CODE=yyyyyy

Cause
The request to the storage system to obtain or alter dynamic group information failed. action is one of the following: ADD, MODIFY, or DELETE.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCCR61E

DYNAMIC GROUP REQUEST ERROR: text

Cause
The text displays the corresponding error text string listed below with the causes and actions for each.

DEFAULT LABEL NOT ALLOWED
This message indicates that the dynamic group request was not attempted because the request specified that a group with a label of RDFDVGROUP was to be added. However this is a reserved group name, and cannot be assigned to a dynamic group. Choose another group name and reissue the command.
ENGINUITY LEVEL TOO LOW

A dynamic SRDF group action was requested but the operating environment level was too low to support dynamic SRDF.
Contact Dell EMC Customer Support to upgrade your operating environment level.

GROUP IS STATIC

A dynamic SRDF group action was requested but the group specified in the command is a static group.
Issue an #SQ RDFGROUP command to display which groups are static and which are dynamic.

GROUP NOT DEFINED

This message indicates that the dynamic group request was not attempted because a modify or delete action was indicated but the specified group does not exist.
Correct the indicated error and reissue the command.

GROUP NOT VALID

This message indicates that the dynamic group request was not attempted because a modify or delete action was indicated but the group of the other side wasn’t able to determined. The group information of other side may be removed or the link of the group may be down.
Correct the indicated error and reissue the command.

ILLEGAL LCL GROUP #

This message indicates that the dynamic group request was not attempted because an invalid local group # was specified. A group number must be a hex value in the range of 00 to the maximum allowed for the storage systems being affected.
Correct the indicated error and reissue the command.

ILLEGAL RMT GROUP #

This message indicates that the dynamic group request was not attempted because an invalid remote group # was specified. A group number must be a hex value in the range of 00 to the maximum allowed for the storage systems being affected.
Correct the indicated error and reissue the command.

LCL DIRECTOR(S) AT MAX GRP (<list_of_directors>)

A dynamic SRDF group action was requested but the action would cause the local directors listed to be assigned to more SRDF groups than the maximum number allowed.
Remove the listed directors from other SRDF groups, or select other directors to be assigned to this SRDF group.

LCL DIRECTOR(S) OFFLINE (##,##,##...)

This message indicates that the dynamic group request was not attempted because the listed local directors are offline.
Correct the indicated error and reissue the command.

LCL GROUP ALREADY DEFINED

This message indicates that the dynamic group request was not attempted because an add action was indicated but the local group is already defined.
Correct the indicated error and reissue the command.

LCL NON SWITCHED DIRECTORS (##,##,##...)

SRDF Host Component
This message indicates that the dynamic group request was not attempted because the listed local directors are not switched fibre.

Correct the indicated error and reissue the command.

REMOVE ALL DIRS ON ONE SIDE

This message indicates that the dynamic group request was not attempted because the request specified that all directors on either the remote or local storage system were to be removed. However, such a request is invalid because a group must have at least one director on each side.

Correct the indicated error and reissue the command.

RMT DIRECTOR(S) AT MAX GRP (<list_of_directors>)

A dynamic SRDF group action was requested but the action would cause the remote directors listed to be assigned to more SRDF groups than the maximum number allowed.

Remove the listed directors from other SRDF groups, or select other directors to be added to this SRDF group.

RMT DIRECTOR(S) OFFLINE (##,##,##...)

This message indicates that the dynamic group request was not attempted because the listed remote directors are offline.

Correct the indicated error and reissue the command.

RMT GROUP ALREADY DEFINED

This message indicates that the dynamic group request was not attempted because an add action was indicated but the remote group is already defined.

Correct the indicated error and reissue the command.

RMT NON SWITCHED DIRECTORS (##,##,##...)

This message indicates that the dynamic group request was not attempted because the listed remote directors are not switched fibre.

Correct the indicated error and reissue the command.

RMT SERIAL MATCHES LCL SERIAL

A dynamic SRDF group action was requested but the RSER value specified is the same as the serial number for the local storage system.

Reissue the command specifying the RSER value for the remote storage system.

Action
See the actions listed above for each error text string.

EMCCR62E

DYNAMIC GROUP LICENSE ERROR

Cause
A dynamic SRDF group request was entered, but the required License Feature Code was not found.

Action
To obtain license keys, contact the Dell EMC Customer Support Center.
DYNAMIC GROUP {action} FAILED FROM {LCL|RMT} SIDE: text

Cause
LCL identifies the local storage system; RMT identifies the remote storage system. text displays the corresponding error text string listed below with the causes and actions for each.

action is the action attempted for the dynamic group, such as ADD, MODIFY, or DELETE.

text can be one of the following:

ALL GROUPS USED
A dynamic SRDF group ADD action failed because all group numbers are in use. Issue an #SQ RDFGRP cuu, ALL command to display the groups in use. Delete an empty group and try the command again.

COMMAND TIMEOUT
A dynamic SRDF group action was requested, but the action did not complete within the expected time. Issue an #SQRDFGRP command with the all or RA(GP#) OPTION. If the desired directors do not appear, then try the command again.

CONFLICTING CONFIG FLAGS
A dynamic SRDF group action failed because SRDF Host Component passed invalid group parameters to the storage system. Check the command specification and try the command again.

CONNECTION REJECTED
This message indicates that the dynamic group request was attempted, but failed. The connection request between the local and remote storage systems was rejected. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

CONNECTION TIMEOUT
This message indicates that the dynamic group request was attempted, but failed. The connection request between the local and remote storage systems timed out. Verify that the group numbers and serial number are correct as well as the directors specified are active.

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

DEFAULT LABEL NOT ALLOWED
A dynamic SRDF group action failed because LABEL(RDFDVGROUP), which is the default label for static groups, was specified. This label is not allowed for dynamic SRDF groups.
Select another label and reenter the command.

DEL NOT ON TWO SIDES

A dynamic SRDF group action failed because SRDF Host Component attempted to delete the group info on only one side. This is not supported.

Check the command specification and try the command again.

DYN GRP ALREADY IN PROGRESS

This message indicates that the dynamic group request was attempted, but failed. Dynamic SRDF operations are already running. Only one dynamic SRDF operation can be active on a storage system at a time.

Wait a while and then try the request again.

DYNAMIC GROUP TABLES CORRUPTED

This message indicates that the dynamic group request was attempted, but failed. The internal tables in the storage system have been corrupted.

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

DYNAMIC REQUEST CANCELED

This message indicates that the dynamic group request was attempted, but failed. Due to other actions on the storage system, the dynamic group request was canceled.

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

ENGINUITY ERROR

This message indicates that the dynamic group request was attempted, but failed. An internal operating environment error occurred.

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

FAILED TO UPDATE DBE

An internal operating environment error occurred.

Collect diagnostic information and report this error to Dell EMC Support personnel.

FLAGS CONFLICT WITH DIR TYPE

A dynamic SRDF group action failed because SRDF Host Component passed invalid group parameters to the storage system.

Check the command specification and try the command again.

GIGE ANCHOR NOT IN IP TABLE

A dynamic SRDF group action failed because the GigE directors are not accessible through the network.

Check the network connecting the GigE directors. Check the command specification and try the command again.

GIGE ANCHOR NOT SPECIFIED
A dynamic SRDF group action failed because SRDF Host Component failed to pass a GigE anchor director number to the storage system.

Check the command specification and try the command again.

GIGE DIR NOT IN IP TABLE

A dynamic SRDF group action failed because the GigE directors are not accessible through the network.

Check the network connecting the GigE directors. Check the command specification and try the command again.

GROUP IS STATIC

This message indicates that the dynamic group request was attempted, but failed. For a modify or delete request, the group specified is not a dynamic group.

Select a dynamic group for the operation.

GROUP NOT EMPTY

A dynamic SRDF group delete was requested, but the group is not empty.

All SRDF pairs in the group must be deleted before the group can be deleted.

ILLEGAL CONFIG FLAGS

A dynamic SRDF group action failed because SRDF Host Component passed invalid group parameters to the storage system.

Check the command specification and try the command again.

ILLEGAL LINK TIMEOUT VALUE

A dynamic SRDF group action failed because SRDF Host Component passed invalid group parameters to the storage system.

Check the command specification and try the command again.

ILLEGAL LOCAL GROUP

A dynamic SRDF group action failed because SRDF Host Component passed a bad local group number to the storage system.

Check the local group specification and try the command again.

ILLEGAL LOCAL GRP PARMS

A dynamic SRDF group action failed because SRDF Host Component passed invalid group parameters to the storage system.

Check the command specification and try the command again.

ILLEGAL REMOTE GROUP

A dynamic SRDF group action failed. The remote storage system rejected the command because SRDF Host Component passed a bad remote group number.

Verify that the specified group number meets the criteria for the operating environment levels in use on the storage systems.

ILLEGAL REMOTE GRP PARMS

A dynamic SRDF group action failed because SRDF Host Component passed invalid group parameters to the storage system.

Check the command specification and try the command again.

IML RUNNING

This message indicates that the dynamic group request was attempted, but failed. IML is running.
Wait a while and then try the request again.

INVALID GIGE ANCHOR
A dynamic SRDF group action failed because SRDF Host Component passed an invalid GigE anchor director number to the storage system.
Check the command specification and try the command again.

LABEL IN USE
This message indicates that the dynamic group request was attempted, but failed. For an add request, the selected label is in use by another group. Labels for dynamic groups must be unique.
Select another label name for the group.

LCL & RMT PARMs DON'T MATCH
A dynamic SRDF group action failed because SRDF Host Component passed inconsistent local and remote group parameters to the storage system.
Check the command specification and try the command again.

LCL MIXED DIRTYPE NOT ALLOWED
This message indicates that the dynamic group request was attempted, but failed. The list of directors contains mixed director types.
Select matching director types.

MISMATCHED GROUP PARMs
A dynamic SRDF group action failed because SRDF Host Component passed bad group parameters to the storage system.
Check the command specification and try the command again.

MODIFY NOT ON AFFECTED DIR
A dynamic SRDF group action failed because SRDF Host Component attempted to run the action on a director that is not part of the group.
Check the command specification and try the command again.

NO PORT
During dynamic group operations, the operating environment tried to make a connection from local director/port to the remote director/port to send the request to the remote storage system. When checking for an online port on the local side, it could not find one defined in the SRDF group to send the request to the remote storage system.
Issue the SQ RDFGRP,RA(grp#) command to determine what director/port combinations are defined. Issue the SQ VIEWRA command to determine what connections are available.

NON DYNRDF DIRECTORS
A dynamic SRDF group action was requested, but the director list contains non-dynamic SRDF or non-SRDF directors.
Correct the LDIR or RDIR specification and try the request again.

NON ONLINE DIRECTOR
A dynamic SRDF group action was requested, but a director specified was not online.
Use the #SC LINK command to put the director online and try the command again.

NON SWITCHED DIRECTOR
A dynamic SRDF group action was requested, but a director specified was not switched.

Reissue the command, specifying a switched director.

**NOT SWITCHED DYNAMIC**

This message indicates that the dynamic group request was attempted, but failed. The storage system is not configured for switched and dynamic SRDF.

Review the command parameter specification for correct values. If correct, contact your Dell EMC Customer Support Representative to review the storage system configuration.

**PORT NOT CONFIGURED ON DIR**

An #SC RDFGRP command was issued with a director and port combination and the specified port is not configured on the director.

Issue an #SQ CNFG command to find the valid director(port) combinations. Issue an SQ VIEWRA command to find the director(port) combinations that have a valid path to the desired remote device. Re-enter the SC RDFGRP command with the appropriate director(port) combinations.

**RC =00000027**

The path you selected would cause a loopback condition. Loopback the command is issued through storage system A to storage system X and the action affects storage system A. This is not allowed for the action you are attempting.

Review the multi-hop list you used. If possible, issue the command using the LCL format or choose a different multi-hop list that does not result in a loopback condition.

**RC=000x00yy**

This message indicates that the dynamic group request was attempted, but failed. An error other than those listed above occurred.

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**REMOTE BOX NOT FOUND**

This message indicates that the dynamic group request was attempted, but failed. The storage system identified by the RSER parameter was not found. There must be a link between the local and remote unit for dynamic SRDF operations to be successful.

Note that this message may indicate that the remote unit is completely inaccessible, or it may mean that the remote unit is inaccessible through the director(s) specified in the #SC RDFGRP command. SRDF Host Component does not have any way to determine which of these situations has caused the error. You may attempt to access the remote unit through an existing SRDF group that does not use any of the same directors specified in the #SC RDFGRP command, or by issuing another #SC RDFGRP command specifying different directors. If the unit is then accessible, the problem was with the directors specified in the original #SC RDFGRP command. However, if the unit is not accessible, the cause of the problem is still undetermined.

Verify that you have selected the correct local and remote storage systems.

**RMT BOX GRP MISMATCH**

A dynamic SRDF group action failed because the groups in the remote unit were not what was expected.

Check the command specification and try the command again.
RMT BOX OTHER SN MISMATCH

This message indicates that the dynamic group request was attempted, but failed. The remote unit /other unit serial# does not match the serial # specified in the command. Review the command parameter specification for correct values. Use the SQ LINK Xtended(Y) and the SQ CNFG,LCL and SQ CNFG,RMT to confirm the storage system serial numbers. If correct, contact your Dell EMC Customer Service representative to review the storage system configuration.

RMT BOX SN MISMATCH

A dynamic SRDF group action failed because the serial number in the remote unit was not what was expected. Check the command specification and try the command again.

STAR FLAG REQUIRED

A dynamic SRDF group action failed because the group specified was a Star group and the STAR flag was not specified on the command. Validate that the correct group was specified and reenter the command with the STAR flag.

Action

Refer to the actions listed above for each message text.

EMCCR64E

DYNAMIC ADD GROUP REQUEST FAILED FOR symmetrix_serial# BECAUSE MAX GROUPS=nnnn REACHED

Cause

The maximum allowed number of SRDF groups (nnnn) has already been configured in the storage system with serial number symmetrix_serial#.

Action

If the maximum number of SRDF groups is defined, then the devices in the existing groups need to be consolidated and unused groups need to be deleted before defining this new group. Alternatively, devices intended for this new group can be defined in an existing group.

Contact your local Dell EMC service representative for assistance with reviewing your local and remote storage configuration details.

EMCCR65E

Command requires ucode level at least level

Cause

A command requiring that the operating environment level of the storage system(s) on which it will be executed be at least the level indicated in the message was issued. However, the storage system was at a lower operating environment level. A subsequent message will indicate the serial number of this storage system and its operating environment level.
Action
If the command was entered improperly, correct and submit the command again. If the command was correct, however, find an alternative way to accomplish the goal of the entered command. If necessary, contact Dell EMC Technical Support.

**EMCCR66E**

Command requires ucode level less than level

**Cause**
A command requiring that the operating environment level of the storage system(s) on which it will be executed be at lower than the level indicated in the message was issued. However, the storage system was at a higher or equal operating environment level. A subsequent message will indicate the serial number of this storage system and its operating environment level.

**Action**
If the command was entered improperly, correct and submit the command again. If the command was correct, however, find an alternative way to accomplish the goal of the entered command. If necessary, contact Dell EMC Technical Support.

**EMCCR67E**

Command requires ucode level greater than level

**Cause**
A command requiring that the operating environment level of the storage system(s) on which it will be executed be higher than the level indicated in the message was issued. However, the storage system was at a lower or equal operating environment level. A subsequent message will indicate the serial number of this storage system and its operating environment level.

**Action**
If the command was entered improperly, correct and submit the command. If the command was correct, however, find an alternative way to accomplish the goal of the entered command. If necessary, contact Dell EMC Technical Support.

**EMCCR68E**

Command requires ucode level not greater than level

**Cause**
A command requiring that the operating environment level of the storage system(s) on which it will be executed be lower than or equal to the level indicated in the message was issued. However, the storage system was at a higher operating environment level. A subsequent message will indicate the serial number of this storage system and its operating environment level.
Action
If the command was entered improperly, correct and submit the command again. If the command was correct, however, find an alternative way to accomplish the goal of the entered command. If necessary, contact Dell EMC Technical Support.

EMCCR69E

Symmetrix symmetrix_serial# is at ucode level level

Cause
A previous error message has indicated that a command failed because the operating environment level of a storage system was invalid for the command. This message indicates the storage system on which the condition was detected and its operating environment level.

Action
None.

EMCCR6AE

erro-text

Cause
A dynamic SRDF API request has returned an error. The error text describes the problem that was detected. Following is a list of the internal error codes associated with the message text.

1 - Invalid multi-hop list specified
2 - Invalid SRDF group specified
3 - Dynamic SRDF not supported on local storage system
4 - Dynamic SRDF not supported on remote storage system
5 - Local device(s) invalid
6 - Remote device(s) invalid
7 - Local device not capable
8 - Remote device not capable
9 - Local device neither R1 nor R2
10 - Remote device neither R1 nor R2
11 - Local and remote devices both R1 or both R2
12 - Swap with different size devices
13 - Swap with local concurrent R1
14 - Swap with remote concurrent R1
15 - TF/SNAP lock on local device
16 - TF/SNAP lock on remote device
17 - Local device(s) in use by another process
18 - Remote device(s) in use by another process
19 - FBA meta discovery overflow
20 - FBA meta devs call failed
21 - Device count is zero
22 - Device status call failed
23 - SRDF pair is ready on the link
24 - Local device has invalid tracks, force not specified
25 - Remote device has invalid tracks, force not specified
26 - FBA meta local device CB invalid
27 - FBA meta remote device CB invalid
28 - FBA meta invalid run
29 - FBA meta members are different sizes
30 - FBA meta head not in run
31 - FBA meta mismatched members
32 - FBA meta stripe size mismatch
33 - FBA meta too many runs generated
34 - FBA meta CB is invalid
35 - FBA meta member has invalid tracks, force not specified
36 - Logic error
37 - R2 is already SRDF
38 - R1 is already SRDF and dynamic concurrent not supported
39 - R1 is already SRDF in specified group
40 - R1 is already concurrent SRDF
41 - Local device not capable of becoming specified type
42 - Remote device not capable of becoming specified type
43 - Mismatched emulation
44 - R2 cannot be larger than R1
45 - All mirror positions in use for local device
46 - All mirror positions in use for remote device
47 - Group not specified for concurrent device
48 - RDF-SUSPEND parameter error in run
49 - RDF-SUSPEND failed
50 - Remote serial# invalid
51 - Device range is too large
52 - Device number is invalid
53 - Action failed for device
54 - SRDF pair not suspended
55 - Bad SRDF group specified
56 - Device already SRDF
57 - SRDF polarity error
58 - Devices not dynamic
60 - Undo action failed
61 - Operating environment level too low
62 - DYNRDF internal error
63 - Concurrent SRDF devices found
64 - Farpoint not allowed
65 - Invalid flags requested
66 - Device held for TimeFinder SNAP
67 - Invalid multi-execute mask
68 - Split CE+DE not allowed
69 - PPRC copy direction not set
70 - Pair mismatch
71 - DRDF RAID_S not supported
72 - PPRC reestablish no R1
73 - PPRC R1 not TNR
74 - Vault device cannot be R2
75 - Config mismatch
76 - FBA meta mismatch
77 - Duplicate device specification
78 - Swap R2 is larger than R1
79 - SYMMPURGE active on device
80 - Cannot swap PPRC devices
81 - Device in consistency group
82 - Already concurrent SRDF
83 - SRDF mirror exists in group
84 - SRDF flags mismatch
85 - R2 already SRDF
86 - Already SRDF device
87 - Swap not allowed in SRDFA group
88 - Swap with write pendings
89 - Tolerance or CEXMPT not set
90 - SRDF/A mixed SRDF devices
91 - No PPRC with SRDF/A
92 - No concurrent SRDF/A mirrors
93 - SRDF/A activation lock held
94 - Device is XRC
95 - SRDF/A I/Os outstanding
96 - R2 restore not complete
97 - Cleanup running
98 - No concurrent DRDF on BCV
99 - SRDF/A state table locked
100 - DEV number too high for RA
101 - Group is Star mode
102 - CKD meta mirror mask conflict
103 - Inconsistent syscall run
104 - R21 device will result but ADCOPY_DISK not specified
105 - R21 device will result but Cascaded SRDF not licensed
106 - MOVEPAIR denied, SRDF/A active on target SRDF group
107 - Invalid failover
108 - Invalid PPRC reestablish
109 - Invalid PPRC failback
110 - No PPRC failover/failback
111 - BCV with three mirrors
112 - SRDF/A multiple CPGs (cache partition groups)
113 - Flags invalid for cascading
114 - Cascading invalid with ESCON
115 - No cascaded PPRC devices
116 - Invalid cascaded R1 mode
118 - R21 device not valid for ESCON
119 - R21 device cannot be PPRC
120 - R21 dev will result, not ADCOPY-DISK mode
121 - R22 dev will result. R22 devices not supported
122 - Device in pair already has remote mirror in pair
123 - Action denied, target group not online
124 - SRDF group not defined
125 - Differential specified but group not Star recovery
126 - Cannot ascertain SRDF/A group status
127 - R21 device will result, not supported
128 - R21 not allowed <5x73
129 - R22 not allowed <5x74
130 - R22 not allowed, different base R1 devices
131 - Partner of R1 not cascaded
132 - R1 and R2 on same storage system
133 - No table memory
134 - Unable to set environment 2 devices
135 - Local device not R1 as required
136 - Suspend failed during CASSUSP
137 - Resume failed during CASRSUM
138 - Local device not R2 as required
165 - Unrecognized VID
201 - Other process lock query failed
202 - TF/SNAP lock query failed
203 - TF/SNAP lock free failed
299 - Syscall error
300 - Invalid local device in range
301 - Invalid remote device in range
302 - Specified group does not match existing SRDF mirrors
303 - Starting dev# for range is beyond CNTLUNIT boundary
304 - Ending dev# for range is beyond CNTLUNIT boundary
305 - Error checking device status
306 - Device did not change to expected state
307 - Existing SRDF mirror not TNR
308 - Device range too high for configuration
310 - Local device has active TimeFinder dataset snap
311 - Remote device has active TimeFinder dataset snap
312 - Number of SRDF groups exceeds maximum
313 - Unable to determine remote group
314 - CREATEPAIR with KEEP, R2 not TNR
315 - Device in use by z/OS Migrator
316 - Group not Star, NOCOPY init parameter not YES
317 - Path invalid or link down
318 - CREATEPAIR with R2 smaller than R1
319 - No R1 identified as source for R22 (neither of allowed configurations)
320 - Invalid topology for creating R22 (attempt via SWAP)
321 - Device not blocked
322 - R22 mirror partners are mirrors on same R11
323 - CREATEPAIR, SWAP, DELETEPAIR requested for a diskless device
324 - CASCRE requested with R1 or R2 diskless
325 - CREATEPAIR requested with R1 and R2 both diskless
326 - MOVEPAIR source or target group not defined
327 - MOVEPAIR remote SRDF groups on different storage systems
328 - MOVEPAIR local or remote storage system not 5x73 or later
329 - CREATEPAIR denied, SRDF/A active on specified SRDF group
330 - R22 device not validated, cannot be activated
331 - Inline error
332 - API caller error - return area too small
333 - CASxxxx Env1-Env2 R21 eligible devices mismatch
334 - R21 remote mirrors on same storage system
335 - MOVEPAIR source and target groups the same
336 - CASCRE device to be R21 has remote mirror
337 - CREATEPAIR, NOCOPY/DIFFERENTIAL mutually exclusive
338 - MOVEPAIR device has remote mirror in target group
339 - Attempt to mix diskless/non-diskless devices in SRDF/A
340 - Operator verification denied, required for action
341 - Remote storage system mismatch, SCF refresh required
342 - Cannot have two SRDF relationships between same devices
343 - R2 device is write-enabled
344 - No eligible devices found
345 - Half action not allowed on SRDF/A group
346 - CREATEPAIR invalid remote range break
347 - SRDF/A on multiple remote mirrors
348 - DELETEPAIR attempted while SRDF/A cleanup running
349 - Group Star recovery but STAR option not specified
350 - All local mirrors have invalid tracks
351 - R1 invalid tracks on R2 remote partner
354 - Cache partition group mismatch
355 - Enginuity 5773 R22 support patch missing
356 - Device is a RAID10 member, skipped
358 - Local device skipped due to filter
362 - Attempt to pair thin and thick devices
363 - Attempt to pair unbound thin device
364 - Attempt to pair back-end thin device
365 - MOVEPAIR to SRDF/A group has wrong polarity
366 - CREATEPAIR into SRDF/A group has wrong polarity
367 - R22SWTCH but R22 blocked on both mirrors
368 - R22SWTCH(GRPONLY), R22 not blocked on mirror in specified SRDF group
369 - Attempt to pair FBA meta striped with FBA meta non-striped
371 - Operating environment levels of storage systems do not support SRDF pairs between them
372 - Operating environment levels of storage systems require a patch for SRDF pairs between them
373 - The operating environment level does not support half actions
375 - R2 device not ready, cannot be set R/W
376 - R2 partner blocked, has R1 invalids
999 - DRDA abend ESTAE recovery

Action
Attempt to determine the underlying condition that caused the error. If appropriate, correct the condition and submit the request again. If you are unable to do so, contact Dell EMC technical support, providing the message ID, the error text, the error code, and the request that produced the EMCCR6AE message.
EMCCR6AI

**Cause**
This message is issued when an operating environment error has occurred. The operating environment error is indicated in the message reported above EMCCR6AI in the message log. The text returned by this message describes the error condition in further detail.

The message text TIMEOUT ON CONNECTION ATTEMPT indicates one of the following conditions:

- An #SC RDFGRP command was issued to remove the last director/port with a valid connection to the remote storage system.

**Note**
To determine if the director/port combination being removed is the last one, issue the #SQ VIEWRA command with the PORT,E and REFRESH options.

- Network problems or busy conditions.

**Action**
Correct the error condition.

EMCCR70E

**SRDF/A MS_ON COMMAND CANNOT RUN SINCE SRDF/A IS NOT ACTIVE**

**Cause**
An SRDF/A MS_ON command was attempted but the prerequisite of SRDF/A being active is not true.

**Action**
Make SRDF/A active and issue the command again.

EMCCR71E

**SRDF/A MS_ON COMMAND CANNOT RUN SINCE SRDF/A MSC IS ACTIVE**

**Cause**
An SRDF/A MS_ON command was attempted but the SRDF/A session was already running in MSC.

**Action**
None.
EMCCR72E

SRDF/A MS_OFF COMMAND CANNOT RUN SINCE SRDF/A IS NOT ACTIVE

Cause
An SRDF/A MS_OFF command was attempted but the prerequisite of SRDF/A being active is not true.

Action
Make SRDF/A active and issue the command again.

EMCCR73E

SRDF/A MS_OFF COMMAND CANNOT RUN SINCE SRDF/A MSC IS ACTIVE

Cause
An SRDF/A MS_OFF command was attempted but the SRDF/A session was not running in MSC.

Action
None.

EMCCR74E

SRDF/A MS_OPEN_W COMMAND CANNOT RUN SINCE SRDF/A IS NOT ACTIVE

Cause
An SRDF/A MS_OPEN_W command was attempted but the prerequisite of SRDF/A being active is not true.

Action
Make SRDF/A active and issue the command again.

EMCCR75E

SRDF/A MS_OPEN_W COMMAND CANNOT RUN SINCE SRDF/A MSC IS ACTIVE

Cause
An SRDF/A MS_OPEN_W command was attempted but the SRDF/A session was not running in MSC.

Action
None.
EMCCR76E

SRDF/A MS_CLOSE_W COMMAND CANNOT RUN SINCE SRDF/A IS NOT ACTIVE

Cause
An SRDF/A MS_CLOSE_W command was attempted but the prerequisite of SRDF/A being active is not true.

Action
Make SRDF/A active and issue the command again.

EMCCR77E

SRDF/A MS_CLOSE_W COMMAND CANNOT RUN SINCE SRDF/A MSC IS ACTIVE

Cause
An SRDF/A MS_CLOSE_W command was attempted but the SRDF/A session was not running in MSC.

Action
None.

EMCCR78E

SRDF/A MS_CYCLE_SW COMMAND CANNOT RUN SINCE SRDF/A IS NOT ACTIVE

Cause
An SRDF/A MS_CYCLE_SW command was attempted but the prerequisite of SRDF/A being active is not true.

Action
Make SRDF/A active and issue the command again.

EMCCR79E

SRDF/A MS_CYCLE_SW COMMAND CANNOT RUN SINCE SRDF/A MSC IS ACTIVE

Cause
An SRDF/A MS_CYCLE_SW command was attempted but the SRDF/A session was not running in MSC.

Action
None.
**EMCCR7AE**

**SRDF/A ACT denied, primary devices both diskless and non-diskless**

**Cause**
An activate action has been requested for an SRDF/A group whose primary side includes both diskless and non-diskless devices. For SRDF/A to activate successfully, the primary side devices must be either all diskless or all non-diskless. The SRDF/A ACTIVATE request has been denied.

**Action**
Ensure all primary side devices are either all diskless or all non-diskless and reissue the command.

**EMCCR7BE**

**text**

**Cause**
This message is issued when an operating environment error has occurred. The operating environment error is indicated in the message reported above EMCCR7BE in the message log. The text returned by this message describes the operating environment error condition in further detail.

**Action**
Correct the error condition.

**EMCCR7CE**

**SRDF/A is already active on RMT partner RDF group groupnumber**

**Cause**
A request to activate SRDF/A on a RMT partner SRDF group failed because one or more devices that would participate in the requested SRDF/A session are already active in another SRDF/A session. A device can participate in only one SRDF/A session at a time.

**Action**
Examine the active SRDF/A session to determine whether it should be deactivated. If so, deactivate it and submit the activate command again.

**EMCCR80E**

**SRDF/A MS_DISCARD COMMAND CANNOT RUN SINCE CLEANUP IS NOT RUNNING**

**Cause**
The SRDF/A MS_DISCARD command is only used when SRDF/A cleanup is running and Host Intervention Required is set on the secondary side.
**EMCCR81E**

**Cause**
An SRDF/A MS_DISCARD command was attempted but the SRDF/A session was not running in MSC.

**Action**
None.

**EMCCR82E**

**Cause**
The SRDF/A MS_COMMIT command is only used when SRDF/A cleanup is running and Host Intervention Required is set on the secondary side.

**Action**
None.

**EMCCR83E**

**Cause**
An SRDF/A MS_COMMIT command was attempted but the SRDF/A session was not running in MSC.

**Action**
None.

**EMCCR84E**

**Cause**
An SRDF/A MS_COMMIT command was attempted but the SRDF/A session does not need host intervention.

**Action**
None.
EMCCR85E

SRDF/A MS_DISCARD COMMAND CANNOT RUN SINCE HOST INTERVENTION IS NOT REQUIRED

Cause
An SRDF/A MS_DISCARD command was attempted but the SRDF/A session does not need host intervention.

Action
None.

EMCCR86E

SPECIFIED VALUE NOT VALID AT THIS ENGINUITY LEVEL

Cause
The current command action assigns a value to a parameter associated with an SRDF entity such as an SRDF group or SRDF/A session. However, valid values that may be assigned to this particular parameter are dependent upon the operating environment level of the storage system associated with the SRDF entity. In this case, the value specified is not valid for the operating environment level of the associated storage system.

Action
Determine the storage system associated with the SRDF entity affected by the current command and use the #SQ CNFG command to determine the operating environment level of the system. Then consult the description of the command action in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide to determine the values that are valid for this operating environment level.

EMCCR90R

SET_HOST_THROTTLE FOR symmetrix_serial# REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause
An #SRDF/A SET_HOST_THROTTLE command was attempted and the operator verify is on.

Action
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR91R

SET_CACHE_LIMIT FOR symmetrix_serial# REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
Cause
An #SRDF/A SET_CACHE_LIMIT command was attempted and the operator verify is on.

Action
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR92R

SET_MIN_CYCLE_TIME FOR symmetrix_serial# REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause
An #SRDF/A SET_MIN_CYCLE_TIME command was attempted and the operator verify is on.

Action
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR93R

SET_DROP_PRIORITY FOR symmetrix_serial# REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause
An #SRDF/A SET_DROP_PRIORITY command was attempted and the operator verify is on.

Action
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR94E

THIS COMMAND NOT SUPPORTED AT THIS ENGINUITY LEVEL

Cause
An SRDF/A command was issued to a storage system that does not have the minimum operating environment level 5x71 that is required.

Action
Upgrade the operating environment to the minimum required level 5x71 or do not use this command.

EMCCR95E

SRDF A cccccc COMMAND CANNOT RUN SINCE SRDF/A MSC IS ACTIVE
**EMCCR96I**

SRDF/A CONS_DEACT IS A LONG RUNNING COMMAND - AND IS NOW PREPARING TO RUN

**Cause**
The CONS_DEACT command will take several SRDF/A cycles to complete. This message is issued to let you know in advance that it will take a long time to complete.

**Action**
None.

**EMCCR97I**

SRDF/A CONS_DEACT CANNOT BE RUN NOW TRY AGAIN LATER

**Cause**
The resources required to perform the consistent deactivation at this time are not available.

**Action**
Reissue the command.

**EMCCR98E**

SRDF/A CONS_DEACT FAILED

**Cause**
The #SRDF/A CONS_DEACT command did not complete successfully. Although all efforts were made to predict that the required internal resources were available to complete the function, they were not available at the time they were needed.

**Action**
Try the command again at a time when the load on the storage system is lower.

**EMCCR99E**

SRDF/A CONS_DEACT COMMAND CANNOT RUN, SRDF/A IS NOT ACTIVE ON RDF GROUP srdfgrp
**EMCCR9AE**

**Cause**
The consistent deactivation of SRDF/A requires that SRDF/A be active. However, SRDF/A was not active on the indicated SRDF group.

**Action**
If either the SRDF group number or the gatekeeper was specified incorrectly on the command, correct the erroneous parameter and submit the command again.

**EMCCR9BE**

**SRDF/A COMMAND CANNOT RUN, SRDF/A IS NOT ACTIVE ON RDF GROUP srdfgrp**

**Cause**
The SRDF/A command entered can be processed if SRDF/A is active. However, SRDF/A was found to be inactive on the indicated SRDF group.

**Action**
None

**EMCCR9CE**

**SRDF/A ACT COMMAND CANNOT RUN - ONLY ONE SRDF/A RDFGRP PER DEVICE**

**Cause**
An #SRDF/A ACT command was issue to a concurrent or cascaded R1 device where the other SRDF group on the R1 device is already SRDF/A Active.

**Action**
Remove the SRDF/A Active status from the other SRDF group on the concurrent or cascaded R1 before trying to make this SRDF group SRDF/A Active.

**EMCCR9DE**

**SRDF/A DEACT_TO_ADCOPY_CMD CANNOT RUN, SRDF/A IS NOT ACTIVE FOR RDF GROUP srdfgrp**

**Cause**
The #SRDF/A DEACT_TO_ADCOPY command can only be processed when SRDF/A is active. However, SRDF/A was found to be inactive on the indicated SRDF group.

**Action**
Activate SRDF/A and then issue the SRDF/A command again. If either the SRDF group number or the gatekeeper was specified incorrectly on the command, correct the erroneous parameter and submit the command again.
Cause
The #SRDFA DEACT_TO_ADCOPY_DISK command requires that SRDF/A be active before the command can be run.

Action
Activate SRDF/A and then issue the SRDF/A command again.

EMCCR9FE
THIS COMMAND CANNOT RUN SINCE MSC IS ACTIVE

Cause
An #SC SRDFA command was issued that cannot be run while Multi-Session Consistency is running.

Action
Either take the SRDF/A RDF group out of MSC to use the command or do not use the command.

EMCCRA0E
SRDF/A TRANSMIT_IDLE COMMAND CANNOT RUN - PATCH MISSING

Cause
An SRDF/A TRANSMIT_IDLE command has been issued to a storage system running Enginuity 5x71 that does not have the Enginuity patch (31801) required to support the feature.

Action
If you want to use this feature on Enginuity 5x71, get the Enginuity patch 31801.

EMCCRA1R
SET TRANSMIT_IDLE FOR ssssssssssssssss REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause
An SC SRDFA Transmit_Idle command has been issued and OPERATOR_VERIFY requires action.

Action
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCRA2R
SET FBA_POOL FOR ssssssssssssssss REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
**Cause**
An SC SRDFA_DSE FBA_POOL command has been issued and OPERATOR_VERIFY requires action.

**Action**
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

---

**EMCCRA3R**

SET 3390_POOL FOR sssssssssssssssss REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

**Cause**
An SC SRDFA_DSE 3390_POOL command has been issued and OPERATOR_VERIFY requires action.

**Action**
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

---

**EMCCRA4R**

SET 3380_POOL FOR sssssssssssssssss REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

**Cause**
An SC SRDFA_DSE 3380_POOL command has been issued and OPERATOR_VERIFY requires action.

**Action**
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

---

**EMCCRA5R**

SET A400_POOL FOR sssssssssssssssss REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

**Cause**
An SC SRDFA_DSE A400_POOL command has been issued and OPERATOR_VERIFY requires action.

**Action**
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.
EMCCRA6R

SET THRESHOLD FOR \textit{ssssssssssss} REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

\textbf{Cause}
An SC SRDFA_DSE THRESHOLD command has been issued and OPERATOR_VERIFY requires action.

\textbf{Action}
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCRA7R

SET ACT FOR \textit{ssssssssssss} REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

\textbf{Cause}
An SC SRDFA_DSE ACT command has been issued and OPERATOR_VERIFY requires action.

\textbf{Action}
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCRA8R

SET DEACT FOR \textit{ssssssssssss} REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

\textbf{Cause}
An SC SRDFA_DSE DEACT command has been issued and OPERATOR_VERIFY requires action.

\textbf{Action}
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCRA9R

SET AUTO_ACT FOR \textit{ssssssssssss} REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

\textbf{Cause}
An SC SRDFA_DSE AUTO_ACT command has been issued and OPERATOR_VERIFY requires action.
**EMCCRAAI**

SRDF/A R1 devices are cascaded, forced to 'DEACT_TO_ADCOPY_DISK'

Cause
A PEND_DEACT or DEACT_TO_ADCOPY action was requested for an SRDF/A session whose underlying primary devices are cascaded devices (R21s). Since the only deactivation option for such an SRDF/A session is DEACT_TO_ADCOPY_DISK, the command has been appropriately modified.

Action
None

**EMCCRABE**

SRDF/A CONS_DEACT NOT SUPPORTED FOR SRDF/A ON CASCADED RDF GROUPS

Cause
An SRDF/A CONS_DEACT action was requested for an SRDF/A session whose underlying primary devices are cascaded devices (R21s). However, the CONS_DEACT action is invalid in this situation. The command is terminated.

Action
Request deactivation of this SRDF/A session by means of the PEND_DEACT action.

**EMCCRADI**

SRDF/A R1 devices are cascaded diskless, forced to 'DEACT_TO_ADCOPY'

Cause
In a command to deactivate an SRDF/A session, a PEND_DEACT or DEACT_TO_ADCOPY_DISK action was specified. However, the SRDF group on which the SRDF/A session is active is cascaded and the primary devices are diskless, requiring the pairs to revert to adaptive copy write pending synchronization. The action has been changed accordingly.

Action
None

**EMCCRB0E**

POOL pppppppppppp IS NOT THE CORRECT EMULATION TYPE FOR POOL TYPE tttt
**EMCCRB1E**

**Cause**
An SC SRDFA_DSE FBA_POOL, 3390_POOL, 3380_POOL, or A400_POOL command has been issued where the pool name ppppppppppp is not the appropriate emulation type of tttt, where tttt is FBA, 3390, 3380 or A400.

**Action**
Verify the pool emulation type and assign it to the appropriate type.

**EMCCRB2E**

**Cause**
An SC SRDFA_DSE FBA_POOL, 3390_POOL, 3380_POOL, or A400_POOL command has been issued but the pool ppppppppppp is not a DSEPOOL.

**Action**
Verify the pool name that is being used is a DSEPOOL.

**EMCCRB3E**

**Cause**
An SC SRDFA_DSE FBA_POOL, 3390_POOL, 3380_POOL, or FBA_POOL command was issued but the pool ppppppppppp is currently not available.

**Action**
The status of the pool prevents its use. Determine why it is not in the available state.

**EMCCRB4E**

**Cause**
An SC SRDFA_DSE FBA_POOL, 3390_POOL, 3380_POOL, or A400_POOL command has been issued attempting to assign the pool name ppppppppppp, but the pool name does not exist in the system.
EMCCRB5E

SRDFA_DSE command failed because error-reason

Cause
Where error-reason is one of the following:

- **CACHE PARTITION IS ACTIVE**
  An SRDFA_DSE...,ACT command was issued but Dynamic Cache Partition (DCP) is running on the storage system. DSE is not allowed to run when DCP is active.
  
  If you want DSE on, disable cache partitioning in the storage system and submit the command again.

- **IT IS ALREADY ACTIVE**
  An SRDFA_DSE...,ACT command was issued for an RDFGRP that already had SRDFA_DSE active.
  
  No action is required.

- **IT IS ALREADY NOT ACTIVE (phase)**
  An SRDFA_DSE...,DEACT command was issued for an RDFGRP that already had SRDFA_DSE not activated. If phase is V, the error was detected during command validation. If phase is A, the error was detected during command execution.
  
  No action is required.

- **NO SPACE AVAILABLE**
  An SRDFA_DSE...,ACT command was issued but the storage system does not have space available for activation.
  
  Review your DSE pool and DSE volume specification and determine why no space is available.

Action
See the actions listed for the individual error reasons listed above.

EMCCRB6E

SRDFA action failed with syscall error error-code

Cause
An error has been encountered during syscall processing of an #SC SRDFA command. Although validation was completed prior to issuing the syscall, it is possible that a state change preventing the action took place following validation. The action fails and the SRDF/A state is unchanged.

Action
Contact the Dell EMC Customer Support Center to determine the meaning of the error code. If unable to resolve the problem, be prepared to supply hardware and software configuration and state information as directed by Dell EMC.
EMCCRB7E

SRDFA MSC action failed with syscall error error-code

Cause
An error has been encountered during syscall processing of an SRDF Host Component MSC command directed against one or more MSC-controlled SRDF/A sessions. Although validation was completed prior to issuing the syscall, it is possible that a state change preventing the action took place following validation. The action fails and the SRDF/A state is unchanged.

Action
Contact the Dell EMC Customer Support Center to determine the meaning of the error code. If unable to resolve the problem, be prepared to supply hardware and software configuration and state information as directed by Dell EMC.

EMCCRB8E

SRDF/A action failed, MSC cleanup required first

Cause
An #SC SCRDFA command was issued. However, the action specified could not be performed because MSC cleanup is required. The command has consequently failed.

Action
Run the EHCMSCME utility as described in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide. When cleanup has successfully completed, you may reissue the command.

EMCCRBAE

feature is not licensed on CTRL xxxxxxxxxxxxx

Cause
The indicated feature is not licensed on the specified storage system.

Action
Contact the Dell EMC Customer Support Center for information on licensing the indicated feature.

EMCCRC0E

ACCESS TO FEATURE CODE IS DENIED

Cause
You attempted to use a feature that is not licensed for the storage system whose serial number was specified in a previous message.
EMCCRC9E

CONTROLLER NOT FOUND

Cause
During feature registration checking against the storage system identified by the preceding EMCCBBAE message, it was found that this system was excluded from the ResourcePak Base configuration and therefore feature registration validation could not be performed.

Action
If the storage system associated with this message should be included in your configuration, make sure it is included in both your ResourcePak Base (SCF) and SRDF Host Component configuration.

EMCCRCAE

UNKNOWN FEATURE REG DENIAL RC = xx RSN = xx

Cause
The eLicensing entry for the feature you are trying to use is not active in the storage system or the system is unable to determine if it was active.

Possible reason (RSN) codes include:

50 x' 32' - RC4: Feature table address is zero.
51 x' 33' - RC4: Feature table is invalid.
52 x' 34' - RC4: Bad eyecatcher in table.
53 x' 35' - RC4: Offset points to wrong feature.
68 x' 44' - RC8: Access to feature code is denied.
69 x' 45' - RC4: License feature table not found or is not valid. This could indicate that SCF has not completed initializing.
70 x' 46' - RC4: Key interface service not eligible. This could indicate a non-Dell EMC storage system or the operating environment level is too low.
71 x' 47' - RC4: Supplied feature is not known.
72 x' 48' - RC4: Storage system serial number not found. This could indicate that SCF discovery has not yet completed.
73 x' 49' - RC8: Access to feature is blocked.
74 x' 4A' - RC8: Dependency check failed. For CU processing a feature's dependent was disabled. You are missing an eLicensing entry.
87 x' 57' - RC12: Feature name not supplied.
88 x' 58' - RC12: Feature name too long.
89 x' 59' - RC12: Feature name not recognized.
91 x' 5B' - RC12: Invalid KFI length.
92 x' 5C' - RC12: Invalid KFI version.
93 x' 5D' - RC12: Invalid KFI option.
94 x' 5E' - RC12: Invalid KFI eyecatcher.
95 x' 5F' - RC4 : SCF service is unavailable. SCF is not active.
96 x' 60' - RC12: Storage system not found.
98 x' 62' - RC4: Unable to obtain the storage chain lock. Feature authorization could not be determined.
99 x' 63' - RC4: Key feature interface module not installed (SCF level too low).

Note
For reason codes 50 through 53 and 87 through 94, you may be running against the wrong version of SCF.

Action
To obtain the necessary feature license, email licensekeys@emc.com. If SCF is not running, start it and try the action again.

EMCCRCCI

Temporary access allowed as license unavailable

Cause
During Feature authorization checking, it was determined that SCF had not yet acquired the license information from the storage system. The decision was made to allow the command to proceed as if the feature were licensed.

Action
None.

EMCCRD0I

WRITE PACING ALREADY ACTIVE

Cause
An attempt was made to activate Write Pacing for the group when it was already active.

Action
None.

EMCCRD1I

WRITE PACING ALREADY INACTIVE

Cause
An attempt was made to deactivate Write Pacing for the group when it was already inactive.
EMCCRD2I

WRITE PACING STATISTICS ALREADY ACTIVE

Cause
An attempt was made to turn on Write Pacing statistics when they were already active for the group.

Action
None.

EMCCRD3I

WRITE PACING STATISTICS ALREADY INACTIVE

Cause
An attempt was made to turn off Write Pacing statistics when they were already inactive for the group.

Action
None.

EMCCRD5E

CURRENT CONFIGURATION DOES NOT SUPPORT WRITE PACING

Cause
An attempt to activate write pacing has failed. Possible reasons are:

- Write pacing is turned off by default for this level of the operating environment. Contact Dell EMC Customer Support for technical assistance.
- The R2 side is not at the required level of the operating environment (5874 or later).
- You are attempting to activate write pacing on a group that includes R21 (cascaded) devices.

Action
Determine the cause of the failure and if the solution is easily discernible, correct the issue. If you cannot determine and correct the problem, contact Dell EMC Customer Support for technical assistance. Ensure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCCRE0E

UNKNOWN WRITE PACING SYSCALL ERROR
Cause
An unknown Write Pacing syscall error occurred.

Action
Another message will follow this giving additional syscall error details. Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCCRF0I

Unable to validate add complete on the remote side

Cause
The maximum wait time for the add group action to complete has been exceeded. The action may still be running on the remote storage system.

Action
Wait a little longer and then display the new groups on both the local and the remote storage systems to see if the add completed successfully. If after a long time it has not completed, there may be an issue with one or more of the directors in the remote system. If this was the first group to be defined between these two systems, the operating environment releases may be incompatible.

EMCCRF1E

EHCDEVTR ERROR:
error_reason

Cause
An error specified by error_reason occurred during device discovery.

Action
Correct the error indicated by the error_reason.

EMCCRF5E

HW compression is not available on the directors
dir1#(port1#) dir2#(port2#) ... dir_n#(port_n#)

Cause
An #SC SRDF_CMPR ACT(ALL) or #SC SRDF_CMPR ACT(HW) command was issued to an SRDF group that included directors on which HW compression was not available.

Action
Ensure that all directors in the SRDF group support HW compression.

EMCCRF6W

minor release of box nnnnnnn-nnnnn 5xxx_yyyy too low for N-X relationship
Cause
An attempt was made to add a group between two systems and the system at the lower operating environment level is at a minor level that is too low.
The group was created.

Action
Check that the correct systems were selected. Select another pair of systems or upgrade the operating environment to supported levels.

EMCCRF7W

Box nnnnnnn-nnnn xxxx_yyyy requires patches

Cause
An attempt was made to add a group between two systems and the system at the lower operating environment level requires patches that have not been applied. This message will be followed by a list of required patches.
The group was created.

Action
Check that the correct systems were selected. Select another pair of systems or upgrade the operating environment to supported levels.

EMCCRF8W

Was not able to validate config on remote box

Cause
An attempt to add a group between two systems and an attempt to verify that required patches are applied failed.

Action
Contact Dell EMC Technical Support for assistance. The group was created.

EMCCRF9W

N-X relationship not allowed for nnnn - nnnn

Cause
An attempt was made to add a group between two systems that are at different major operating environment levels and this particular combination is not supported.
The group was created.

Action
Check that the correct systems were selected. Select another pair of systems or upgrade the operating environment to supported levels.
**EMCCT00E**

**COMMAND SUBTASK ESTAE ROUTINE ENTERED**

**Cause**
An abend occurred in the command subtask. The command is aborted.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

---

**EMCCV0AE**

**Command aborted, ALL specified and some devs failed validation**

**Cause**
A command was specified with the ALL option. Some of the devices selected failed one or more validation tests.

**Action**
Review the preceding messages and correct the condition that caused the devices to fail validation.

---

**EMCCV0FE**

**type error encountered - SC VOL action could not be processed.**

**Cause**
A GETMAIN or FREEMAIN (type is one of these) error occurred during SC VOL processing. Detailed diagnostic information is written to the SCF trace dataset. The SC VOL command is aborted.

**Action**
Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available. Give them the full text of the message including the message ID, and get instructions for FTP'ing the SCF trace dataset to the Dell EMC support site.

---

**EMCCV11E**

**DEVICE symdv# IS A CONCURRENT RDF DEVICE - AN RDF GROUP MUST BE SPECIFIED**

**Cause**
An SC VOL command was issued to a concurrent device indicated by symdv#, which may be an R1 or an R21 device. However either the LCL (gatekeeper, srdfgrp) or RMT...
(gatekeeper, hoplist[, srdfgrp]) may not have been specified for the following command actions:

ADCOPY, ADCOPY_DISK, NADCOPY, RDF_SUSP, RDF_RSUM, VALIDATE, INVALIDATE, REFRESH, and RFR_RSUM

Action
Reenter the command using the LCL(...) or RMT(...) format and include the SRDF group number.

EMCCV13E

RDF GROUP srdfgrp INVALID FOR DEVICE symdv#

Cause
An #SC VOL command was specified with the LCL(...) or RMT(...) format and the SRDF group number was not valid for the requested PowerMax/VMAX device.

Action
Reenter the command, specifying a valid SRDF group number.

EMCCV14E

DEVICE NUMBER OR RANGE NOT ALLOWED

Cause
An #SC VOL command was issued for a volume serial or group, and a PowerMax/VMAX device number or range was also provided.

Action
The request is aborted. Reissue the command with the correct syntax.

EMCCV15E

SCONFIG MULTIHOP COMMAND REQUIRES 5X67 OR HIGHER

Cause
An #SC VOL,RMT(cuu,hoplist) command was issued in which hoplist is a hop list whose path traverses a storage system with an operating environment level earlier than 5x67.

Action
Modify the hop list to include storage systems with operating environment level 5x67 or later.

EMCCV16E

MULTIHOP CONTROL UNIT NOT FOUND
Cause
An internal error occurred in the code. A pointer that should point at the end hop of a multihop command has not been found.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

EMCCV17I
DEVICE IS NOT AN R2, R/W IS INVALID FOR THIS DEVICE

Cause
An #SC VOL,p1,p2,p3 command was issued with p1=cuu,p2=R/W, and p3=dev# (optional) parameters to change the state of the device to R/W, but the device is not an R2 device.

Action
Issue an #SQ VOL,p1,p2,p3 command to ensure the device is not an R2 device. If it is, contact the Dell EMC Customer Support Center for technical assistance.

EMCCV18I
DEVICE IS NOT AN R2, R/O IS INVALID FOR THIS DEVICE

Cause
An #SC VOL,p1,p2,p3 command was issued with p1=cuu,p2=R/O and p3=dev# (optional) parameters to change the state of the device to R/O, but the device is not an R2 device.

Action
Issue an #SQ VOL,p1,p2,p3 command to ensure the device is not an R2 device. If it is, contact the Dell EMC Customer Support Center for technical assistance.

EMCCV19I
DEVICE IS NOT AN R2, RDY IS INVALID FOR THIS DEVICE

Cause
An #SC VOL,p1,p2,p3 command was issued with p1=cuu,p2=RDY and p3=dev# (optional) parameters to change the state of the device to READY, but the device is not an R2 device.

Action
Issue an #SQ VOL,p1,p2,p3 command to ensure the device is not an R2 device. If it is, contact the Dell EMC Customer Support Center for technical assistance.
EMCCV1AE

DEVICES BYPASSED - OTHER PROCESS HAS DEVICE LOCK

Cause
Device level lock 9 is already owned. The owner is probably another SRDF Host Component task or a TimeFinder user.

Action
After device level lock 9 is released by its owner, reissue the command.

EMCCV1BE

DEVICES BYPASSED - OTHER PROCESS HAS DEVICE LOCK

Cause
Device level lock 15 is already owned. The owner is probably another SRDF Host Component task.

Action
After device level lock 15 is released by its owner, reissue the command.

EMCCV1CE

NO DEVICES LEFT - OTHER PROCESS HAS DEVICE LOCK

Cause
After removing devices with device level locks already owned, there are no devices left to perform the command on.

Action
Wait until other users of these devices are finished and reissue the command.

EMCCV1DI

PROCESSING|VERIFYING RANGE COMMAND FOR DEVICE symdv# FOR nn DEVICES

Cause
This message indicates the starting PowerMax/VMAX device number (symdv#) and the number of consecutive devices (nn) in the range.

- PROCESSING indicates an RNG action has been issued to the storage system.
- VERIFYING indicates that an #SC VOL, RNG_REFRESH command is checking for completion of the Refresh action for the specified range of devices.

Action
None.
EMCCV1EE

**COMMAND MUST USE LCL OR RMT**

**Cause**
A RNG_REFRESH command was issued and the command was not in the format #SC VOL,LCL(cuu,srdfgrp) or #SC VOL,RMT(cuu,hoplist,srdfgrp). This command requires the command to operate on only one SRDF group.

**Action**
Use one of the above formats so the command goes to only one SRDF group.

EMCCV1FE

**RNG-RSUM INCOMPLETE FOR DEVICES:**

**Cause**
A range (RNG) command has been issued and the devices indicated have not completed.

**Action**
Review the devices and determine why the command did not complete.

EMCCV20E

**DEVICES MUST BE SUSPENDED**

**Cause**
An #SC VOL command with a Dynamic SRDF action code (SWAP | CREATEPAIR | DELETEPAIR) was issued, but one or more SRDF pairs were not in an RDF_SUSPEND (TNR) state. This message is followed by a list of PowerMax/VMAX device numbers for which the message applies. If force was specified, processing proceeds, but the listed devices are excluded.

**Action**
Issue an #SC VOL command with the RDF_SUSP action code, and then try the request again.

EMCCV21E

**SWAP NOT ALLOWED, CASCADED DEVICES REQUIRE 5x73 OR LATER**

**Cause**
An #SC VOL command requesting a dynamic SRDF swap request cannot take place for one or more device pairs because, for these pairs, the R1 device in the pair has two remote R2 mirrors. This swap would result in the creation of a cascaded SRDF (R21) device. However, the storage system on which the R1 device resides is not at Enginuity 5x73, and therefore cannot become a cascaded device. This message
appears once, and is followed by a list of the local devices for which the swap action was requested but could not be processed.

**Action**
None.

**EMCCV22E**

**DEVICES IN CONGROUP NOT ALLOWED FOR DYNAMIC RDF**

**Cause**
An #SC VOL command with a Dynamic SRDF action code (SWAP | CREATEPAIR | DELETEPAIR) was issued, but one or more devices were in a consistency group. This message is followed by a list of PowerMax/VMAX device numbers for which the message applies. If force was specified, processing proceeds, but the listed devices are excluded.

**Action**
Dynamic SRDF actions are not allowed for concurrent SRDF devices in a consistency group.

**EMCCV23I**

**DEVICE IS NOT AN R1, DOMINO IS INVALID FOR THIS DEVICE**

**Cause**
An #SC VOL,p1,p2,p3 command was issued with p1=cpu,p2=DOMINO, and p3=dev# (optional) parameters to change the attribute of the device to DOMINO.

**Action**
Issue an #SC VOL,p1,p2,p3 command to ensure the device is not an R1 device. If it is, contact the Dell EMC Customer Support Center for technical assistance.

**EMCCV24I**

**DEVICE IS NOT AN R1, NDOMINO IS INVALID FOR THIS DEVICE**

**Cause**
An #SC VOL,p1,p2,p3 command was issued with p1=cpu,p2=NDOMINO, and p3=dev# (optional) parameters to change the attribute of the device to non-DOMINO.

**Action**
Issue an #SC VOL,p1,p2,p3 command to ensure the device is not an R1 device. If it is, contact the Dell EMC Customer Support Center for technical assistance.

**EMCCV25I**

**NO ELIGIBLE DEVICES FOUND, COMMAND ABORTED**
Cause
An #SC VOL, cuu, action command was issued, and no devices were found in an eligible status. The command is aborted.

Action
Check that there are devices of the appropriate type for the specified action on the storage system. Check the log and see if any other messages accompanied this one. If the problem persists, contact the Dell EMC Customer Support Center for assistance.

EMCCV26I

NO R2 DEVICES FOUND, COMMAND NOT ISSUED

Cause
An #SC VOL, p1, p2, p3 command was issued to a range of devices with p2=action, and the system cannot find any R2 device.

Action
None.

EMCCV27I

DEVICE IS NOT AN R1 OR R2, RDF-RDY IS INVALID FOR THIS DEVICE

Cause
An #SC VOL, p1, p2, p3 command was issued with p1=ruu, p2=RDF_RDY and p3=dev# (optional) parameters to make R1 and R2 as RDF-READY, but the device is not an R1 or R2.

Action
Issue an #SQ VOL, p1, p2, p3 command to ensure that the device is not an R1 or R2 device. If it is, contact the Dell EMC Customer Support Center for technical assistance.

EMCCV28I

DEVICE IS NOT AN R1 OR R2, RDF-NRDY IS INVALID FOR THIS DEVICE

Cause
An #SC VOL, p1, p2, p3 command was issued with p1=ruu, p2=RDF_NRDY, and p3=dev# (optional) parameters to make R1 and R2 as RDF-NOT-READY, but the device is not an R1 or R2.

Action
Issue an #SQ VOL, p1, p2, p3 command to ensure that the device is not an R1 or R2 device. If it is, contact the Dell EMC Customer Support Center for technical assistance.
EMCCV29I

DEVICE IS NOT AN R1, ADCOPY IS INVALID FOR THIS DEVICE

Cause
An #SC VOL,p1,p2,p3 command was issued with p1=ceu,p2=ADCOPY, and p3=dev# (optional) parameters to enable adaptive copy function for the device, but the device is not an R1.

Action
Issue an #SQ VOL,p1,p2,p3 command to ensure that the device is not an R1 device. If it is, contact the Dell EMC Customer Support Center for technical assistance.

EMCCV30I

DEVICE IS NOT AN R1, NADCOPY IS INVALID FOR THIS DEVICE

Cause
An #SC VOL,p1,p2,p3 command was issued with p1=ceu,p2=NADCOPY, and p3=dev# (optional) parameters to disable adaptive copy function for the device, but the device is not an R1 device.

Action
Issue an #SQ VOL,p1,p2,p3 command to ensure that the device is not an R1 device. If it is, contact the Dell EMC Customer Support Center for technical assistance.

EMCCV31I

DEVICE IS NOT AN R1, RDF-SUSP IS INVALID FOR THIS DEVICE

Cause
An #SC VOL command was issued with action RDF_SUSP (SUSP_CGRP) to suspend the SRDF pair for the device, but the device is not an R1 device.

Action
Issue an #SQ VOL command to ensure that the device is not an R1 device. If it is, contact the Dell EMC Customer Support Center for technical assistance.

EMCCV32I

DEVICE IS NOT AN R1, RDF-RSUM IS INVALID FOR THIS DEVICE

Cause
An #SC VOL,p1,p2,p3 command was issued with p1=ceu, p2=RDF_RSUM, and p3=dev# (optional) parameters to resume SRDF pair for the device, but the device is an R1.
Action
Issue an #SQ VOL,p1,p2,p3 command to ensure that the device is not an R1 device. If it is, contact the Dell EMC Customer Support Center for technical assistance.

EMCCV39R

VERIFY DYNAMIC RDF REQUEST, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause
An #SC VOL command with a dynamic SRDF action code (CREATEPAIR, SWAP, HSWAP, DELETEPAIR, or HDELETEPAIR) was issued, and operator verification is in effect.

Action
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCV3AE

LOCAL DEVICES BYPASSED BECAUSE ACTIVE LDMF

Cause
An #SC VOL command specifying a dynamic SRDF action was entered. However, one or more local devices within the scope of the action are currently in use by z/OS Migrator. The action cannot be processed for such devices, due to the possibility of data corruption, so they are bypassed. The devices bypassed are listed below the message.

Action
Wait for the z/OS Migrator process to complete and reissue the command.

EMCCV3BE

REMOTE DEVICES BYPASSED BECAUSE ACTIVE LDMF

Cause
An #SC VOL command specifying a dynamic SRDF action was entered. However, one or more remote devices within the scope of the action are currently in use by z/OS Migrator. The action cannot be processed for such devices, due to the possibility of data corruption, so they are bypassed. The devices bypassed are listed below the message.

Action
Wait for the z/OS Migrator process to complete and reissue the command.

EMCCV3CE

LOCAL DEVICES ARE IN ACTIVE STAR GROUP
**Cause**
An #SC VOL command was entered with a dynamic SRDF action code and specifies local devices that are in an active SRDF/Star SRDF group. The message is accompanied by a list of local device numbers.

**Action**
Check the device numbers listed and verify that they are in an SRDF/Star SRDF group. If applicable for the action code as documented in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide, reenter the #SC VOL command specifying the STAR flag.

**EMCCV3DE**

REMOTE DEVICES ARE IN ACTIVE STAR GROUP

**Cause**
An #SC VOL command was entered with a dynamic SRDF action code and specified remote devices that are in an active SRDF/Star SRDF group. The message is accompanied by a list of remote device numbers.

**Action**
Check the device numbers listed and verify that they are in an SRDF/Star SRDF group. If applicable for the action code as documented in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide, reenter the #SC VOL command and specify the STAR flag.

**EMCCV3EE**

location GROUP IS IN STAR CONFIGURATION

**Cause**
An #SC VOL command was entered with a CREATEPAIR action code and the SRDF group on the indicated side is an active STAR group.

*location* is REMOTE or LOCAL.

**Action**
The request failed. Check that the correct SRDF group was specified.

**EMCCV3FE**

DIFFERENTIAL CREATEPAIR IN NON STAR RCVY GROUP

**Cause**
An #SC VOL command was entered with a CREATEPAIR action code and with the DIFFERENTIAL flag specified. The devices specified are not in a STAR recovery group.

**Action**
Check the device numbers listed and verify that they are not in a STAR recovery group. CREATEPAIR(Differential) is designed for use in SRDF/Star recovery procedures and is only allowed for devices in a STAR group. Review the Dell EMC
EMCCV40I

**DEVICE IS NOT AN Rn VALIDATE IS INVALID FOR THIS DEVICE**

**Cause**
An #SC VOL,p1,p2,p3 command was issued with p1=CUU,p2=VALIDATE,p3=dev# (optional) parameters to validate all tracks on the device, but the device is not the correct type for the current SYNCH_DIRECTION. When SYNCH_DIRECTION=R1>R2, VALIDATES may only be requested for R2 devices. When SYNCH_DIRECTION=R1<R2, VALIDATES may only be requested for R1 devices.
The value of n can be either 1 or 2, and should reflect the value entered for SYNCH_DIRECTION.

**Action**
Issue an #SQ VOL,p1,p2,p3 command to ensure that the device is the correct type for the current SYNCH_DIRECTION. If it is, contact the Dell EMC Customer Support Center for technical assistance.

EMCCV41I

**DEVICE IS NOT AN Rn INVALIDATE IS INVALID FOR THIS DEVICE**

**Cause**
An #SC VOL,p1,p2,p3 command was issued with p1=CUU,p2=INVALIDATE,p3=dev# (optional) parameters to invalidate all tracks on the device, but the device is not the correct type for the current SYNCH_DIRECTION. When the SYNCH_DIRECTION=R1>R2, INVALIDATES may only be requested for R2 devices. When SYNCH_DIRECTION=R1<R2, INVALIDATES may only be requested for R1 devices.

**Action**
Issue an #SQ VOL,p1,p2,p3 command to ensure that the device is the correct type for the current SYNCH_DIRECTION. If it is, contact the Dell EMC Customer Support Center for technical assistance.

EMCCV42I

**UNABLE TO MARK ALL TARGET VOLUME (R2) TRACKS INVALID WITHIN THE EXPECTED TIME FRAME**

**Cause**
An #SC VOL,p1,p2,p3 command was issued p1=CUU,p2=INVALIDATE and p3=dev# (optional) parameters to invalidate all tracks on the R1 device, but the system was unable to complete the process within the expected time frame.

**Action**
Use an #SQ VOL command to monitor progress, wait until invalid track count value reaches the total tracks for the volume(s), and continue following the invalid track
recovery procedures, as described in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.

**EMCCV43I**

DEVICE IS NOT AN R2, NRDY IS INVALID FOR THIS DEVICE

**Cause**
An #SC VOL,p1,p2,p3 command was issued with p1=uu,p2=NRDY, and p3=dev# (optional) parameters to change the state of the device as NOT-READY, but the system does not allow an NRDY (Not-Ready) action issued against a device that is not an R2.

**Action**
Issue an #SQ VOL,p1,p2,p3 command to ensure that the device is not an R2 device. If it is, contact the Dell EMC Customer Support Center for technical assistance.

**EMCCV44I**

DEVICE IS NOT AN R1, SYNC IS INVALID FOR THIS DEVICE

**Cause**
An #SC VOL,p1,p2,p3 command was issued with p1=uu,p2=SYNC, and p3=dev# (optional) parameters, but the system does not allow a command with p2=SYNC issued to a non-R1 device.

**Action**
Issue an #SQ VOL,p1,p2,p3 command to ensure that the device is not an R2 device. If it is, contact the Dell EMC Customer Support Center for technical assistance.

**EMCCV46I**

DEVICE IS NOT AN R1, SEMI-SYNC IS INVALID FOR THIS DEVICE

**Cause**
An #SC VOL,p1,p2,p3 command was issued with p1=uu,p2=SEMI-SYNC, and p3=dev# parameters, but the system does not allow a command with p2=SEMI-SYNC issued to a non-R1 device.

**Action**
Issue an #SQ VOL,p1,p2,p3 command to ensure that the device is not an R1 device. If it is, contact the Dell EMC Customer Support Center for technical assistance.

**EMCCV47I**

SWAP DEVICES WILL REQUIRE SYNCHRONIZATION PROCEDURES

**Cause**
An #SC VOL command with a SWAP action code was issued, and an R1 device indicates that there are invalid tracks on the R2. After the swap completes, the R2...
indicates that there are invalid tracks on the R1. This message is followed by a list of PowerMax/VMAX device numbers for which the message applies.

**Action**
After the swap completes, see Recovery Procedure 2 in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.

**EMCCV48I**

INVALIDATING ALL TRACKS ON DEVICE #__

or

VALIDATING ALL TRACKS ON DEVICE #__

**Cause**
The text for this message takes one of the above forms, depending on whether validate or invalidate was requested. An #SC VOL,p1,p2,p3 command was issued to a range of devices with p2=VALIDATE/INVALIDATE. This message is issued to each device being validated or invalidated.

**Action**
None.

**EMCCV49E**

DEVICE symdv# IS IN DOMINO MODE, RDF-SUSP IS INVALID FOR THIS DEVICE

**Cause**
An #SC VOL,p1,p2,p3 command was issued with p1=CUU,p2=RDF_SUSP, and p3=dev# (optional) parameters to the device, but the device is currently in DOMINO mode.

**Action**
Issue an #SC VOL, CUU, NDOMINO command and then reenter the command.

**EMCCV4AE**

HALF-SWAP LOCAL DEVICES IN NON STAR RDF GROUP

**Cause**
An #SC VOL command was entered with an HSWAP action code and specifies local devices that are not in a Star group. The message is accompanied by a list of local device numbers.

**Action**
Check the device numbers listed and verify that they are not in a Star group. The half swap action code is designed for use in SRDF/Star recovery procedures and is only allowed for devices in a Star group. Please review the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for more information.
EMCCV4BE

HALF-SWAP REMOTE DEVICES IN NON STAR RDF GROUP

Cause
An #SC VOL command was entered with an HSWAP action code and specifies remote devices that are not in a Star group. The message is accompanied by a list of remote device numbers.

Action
Check the device numbers listed and verify that they are not in a Star group. The half swap action code is designed for use in SRDF/Star recovery procedures and is only allowed for devices in a Star group. See the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for more information.

EMCCV4CE

{LOCAL|REMOTE} DEVICE RANGE TOO HIGH FOR RDF CONFIGURATION

Cause
An #SC VOL command was entered with a CREATEPAIR action code and the device range on the indicated side extends beyond the maximum device number supported by the participating storage system on the other side. Note that the highest PowerMax/VMAX device number supported on both sides is the highest device number supported on the side with the lowest level of the operating environment.

For example, if you issue a CREATEPAIR for a group that has Enginuity 5671 on one side and Enginuity 5771 on the other side, the highest device number allowed on both sides is 3E7F.

The list below indicates the device number ranges supported at the various levels of the operating environment.

<table>
<thead>
<tr>
<th>Level</th>
<th>Supported device number range</th>
</tr>
</thead>
<tbody>
<tr>
<td>5x68</td>
<td>0000 - 0FFF</td>
</tr>
<tr>
<td>5x69</td>
<td>0000 - 1F3F</td>
</tr>
<tr>
<td>5x70</td>
<td>0000 - 1F3F</td>
</tr>
<tr>
<td>5671</td>
<td>0000 - 3E7F</td>
</tr>
<tr>
<td>5771 to 5876</td>
<td>0000 - F9FF</td>
</tr>
<tr>
<td>5977 and 5978</td>
<td>00000 - FFFFF</td>
</tr>
</tbody>
</table>

Note that although SRDF Host Component accepts PowerMax/VMAX device numbers up to FFFFFFF, PowerMaxOS 5978 and HYPERMAX OS 5977 can accept only FFFF devices.

Action
Enter the command with a valid PowerMax/VMAX device number range for the configuration.
EMCCV4DI

FBA DEVICES BYPASSED

Cause
An #SC VOL,dddd,ONLINE or #SC VOL,dddd,OFFLINE command was issued that included FBA devices. The code will filter out the FBA devices and this message is issued to show which devices are not processed.

Action
None.

EMCCV4EI

---------HOST---------- ----FINAL STATUS-----

Cause
An #SC VOL,dddd,ONLINE or #SC VOL,dddd,OFFLINE command was issued and has now completed on all hosts that are processing the request. The final status of the command on all impacted hosts is listed.

Action
If one or more devices fails, the status will indicate the failure, but will not indicate which device failed. If the command did not complete on all hosts according to this message, go to the host(s) that did not complete and examine the devices.

<table>
<thead>
<tr>
<th>Final status values</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABEND</td>
<td>An ABEND occurred while processing this request.</td>
</tr>
<tr>
<td>ACTIVE REQ TIMEOUT</td>
<td>The function timed out.</td>
</tr>
<tr>
<td>COMPLETED</td>
<td>The request was completed. All of the storage system devices are in the final status requested.</td>
</tr>
<tr>
<td>CONFIGURATION ERROR</td>
<td>CSC has found a problem with the internal tables in the ResourcePak Base address space versus the real configuration at this point in time.</td>
</tr>
<tr>
<td>CSC LOST SYMMETRIX</td>
<td>The storage system cannot be located for the request.</td>
</tr>
<tr>
<td>CSC NFND SYMMETRIX</td>
<td>The storage system cannot be located for the request.</td>
</tr>
<tr>
<td>FAIL 1 OR MORE</td>
<td>One or more devices did not go to the requested state.</td>
</tr>
<tr>
<td>HOST REQUEST LOST</td>
<td>The request for a specific host was lost.</td>
</tr>
<tr>
<td>Final status values</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>INCOMPLETE</td>
<td>The function was accepted, but did not complete.</td>
</tr>
<tr>
<td>INVALID FUNCTION</td>
<td>The parameters invoking CSC are invalid.</td>
</tr>
<tr>
<td>INVALID PARMS</td>
<td>The parameters invoking CSC are invalid.</td>
</tr>
<tr>
<td>INVALID RUN COUNT</td>
<td>The parameters invoking CSC are invalid.</td>
</tr>
<tr>
<td>NO DEVICES ADDRESSED</td>
<td>No devices were addressed for the request.</td>
</tr>
<tr>
<td>NO HOST LOCATED</td>
<td>The host could not be found.</td>
</tr>
<tr>
<td>NO LISTENER FOR FUNC</td>
<td>The ResourcePak Base address space does not support this function and will not process the request.</td>
</tr>
<tr>
<td>PAGE PACK 1 OR MORE</td>
<td>One or more devices are paging packs and may not be taken offline.</td>
</tr>
<tr>
<td>PEND OFF 1 OR MORE</td>
<td>One or more devices are pending offline.</td>
</tr>
<tr>
<td>REQUEST CANCELLED</td>
<td>The request was cancelled.</td>
</tr>
<tr>
<td>TIMEOUT - SERIALIZIZE</td>
<td>This usually indicates that another instance of ResourcePak Base on the same host was processing the same request so this instance of ResourcePak Base cannot process the request within the timeout period of five minutes.</td>
</tr>
<tr>
<td>WAITING REQ TIMEOUT</td>
<td>The function timed out.</td>
</tr>
</tbody>
</table>

**EMCCV4FI**

--------ACTIVE HOSTS-------- ----ACTIVE STATUS----

**Cause**
An #SC VOL,dddd,ONLINE or #SC VOL,dddd,OFFLINE command was issued and the command is still running. The status of the requests that are still running is listed. This message displays according to the VONOFF_STATUS_WAIT=xxx initialization parameter.

**Action**
None.

**EMCCV50I**

SWAP from_dev-to_dev(count)  
FAILED: error-text[serial#/failing-dev#]  
CREATEPAIR  
DELETEPAIR
HALFSWAP
HALFDELETE

**Cause**
A dynamic SRDF action (SWAP | CREATEPAIR | MOVEPAIR | HALFMOVE | DELETEPAIR | HALFSWAP | HALFDELETE) was attempted, but, the action failed for one or more devices. In the message:

- `from_dev` is the starting PowerMax/VMAX device number of the *from* range
- `to_dev` is the starting PowerMax/VMAX device number of the *to* range
- `count` is the number of devices in the range
- `serial#` is the storage system serial number
- `failing-dev#` is the device number of the failing device
- `error text` is one of the values in 'Error text' column in the table below.

**Action**
See the following table for information corresponding to the *error text* value returned with the message.

<table>
<thead>
<tr>
<th>Error text</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTION FAILED FOR DEVICE</td>
<td>One or more devices in the specified range failed to execute the requested action. Issue an #SQ VOL command to determine which devices completed. Try the command for the failed devices again and if it still fails, contact the Dell EMC Customer Support Center for technical assistance.</td>
</tr>
<tr>
<td>ACTION NOT SUPPORTED</td>
<td>The storage system is not at a high enough operating environment level to support the requested action.</td>
</tr>
<tr>
<td>ALREADY CONCURRENT RDF</td>
<td>The device already has two SRDF mirrors. It cannot have more than two SRDF mirrors.</td>
</tr>
<tr>
<td>BAD RDF GROUP SPECIFIED</td>
<td>An invalid SRDF group was specified. Recheck the group and reenter the command with the correct group.</td>
</tr>
<tr>
<td>CLEANUP RUNNING</td>
<td>You cannot delete the device while cleanup is running. Wait for cleanup to complete before reissuing the request.</td>
</tr>
<tr>
<td>CONCURRENT RDF DEVS FOUND</td>
<td>Swap is not allowed to concurrent SRDF devices.</td>
</tr>
<tr>
<td>CONFIG MISMATCH</td>
<td>Configuration comparisons between the two sides failed. Contact the Dell EMC Customer Support Center for technical assistance.</td>
</tr>
<tr>
<td>DEVICE ALREADY RDF</td>
<td>One or more devices were already SRDF.</td>
</tr>
<tr>
<td>DEVICE HELD FOR TF SNAP</td>
<td>One or more devices were the target of a TimeFinder Snap operation. Wait until</td>
</tr>
<tr>
<td>Error Description</td>
<td>Message</td>
</tr>
<tr>
<td>-------------------------------------------------------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>TimeFinder Snap is complete or select another device.</td>
<td>DEVICE IN CGROUP</td>
</tr>
<tr>
<td></td>
<td>Deletepair was requested for a device in a CGROUP. Remove the device from the CGROUP and try the operation again.</td>
</tr>
<tr>
<td>DEVICE IS XRC</td>
<td>SRDF operations cannot be performed on an XRC device.</td>
</tr>
<tr>
<td>DEVICE NUMBER IS INVALID</td>
<td>The device number is invalid. Check the device numbers specified in the #SC VOL command.</td>
</tr>
<tr>
<td>DEVICE RANGE IS TOO BIG</td>
<td>The range is too large. Try breaking the swap up into multiple commands with fewer devices.</td>
</tr>
<tr>
<td>DEVICES NOT DYNAMIC</td>
<td>The selected devices are not configured for dynamic SRDF. Contact the Dell EMC Customer Support Center for technical assistance.</td>
</tr>
<tr>
<td>DRDF RAID_S NOT SUPPORTED</td>
<td>RAID-S devices are not valid for use with dynamic SRDF.</td>
</tr>
<tr>
<td>DUPLICATE DEVICE SPECIFICATION</td>
<td>SRDF Host Component specified the same device more than once in the call to the storage system for SRDF operations. Contact the Dell EMC Customer Support Center for technical assistance.</td>
</tr>
<tr>
<td>DYNAMRDF ERROR 17xx</td>
<td>An unrecognized error code was returned. Contact the Dell EMC Customer Support Center for technical assistance.</td>
</tr>
<tr>
<td>DYNRDF INTERNAL ERROR</td>
<td>An error occurred during dynamic SRDF processing. Contact the Dell EMC Customer Support Center for technical assistance.</td>
</tr>
<tr>
<td>FARPOINT NOT ALLOWED</td>
<td>Swap is not allowed in a FarPoint™ configuration.</td>
</tr>
<tr>
<td>FBA META MISMATCH</td>
<td>All members of an FBA Meta must be specified in the same dynamic SRDF call.</td>
</tr>
<tr>
<td>I/O ERROR RC=xxxx, RE=xxxx</td>
<td>When RC=0014 and RS=0051, the device specified in the SRDF Host Component command is not available to the host system. Check to see that the correct device number was specified and that the device is physically available. Enter a D U MVS operator command and ensure that the device status does not indicate BOX. Enter a DEVSERV PATH MVS operator command to ensure that there is at least one operational path to the device. For any other RC/RS combination, contact the Dell EMC Customer Support Center.</td>
</tr>
<tr>
<td>Issue Description</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>INVALID FLAGS REQUESTED</td>
<td>Invalid flags were passed by SRDF Host Component to dynamic SRDF processing. Contact the Dell EMC Customer Support Center for technical assistance.</td>
</tr>
<tr>
<td>INVALID MULTI-EXECUTE MASK</td>
<td>Invalid control information was passed by Host Component to dynamic SRDF processing. Contact the Dell EMC Customer Support Center for technical assistance.</td>
</tr>
<tr>
<td>LCL CP BNDRY W/SRDF/A ACTIVE</td>
<td>A cache partitioning problem was detected. You cannot add a device from a different cache partition than the other devices in the SRDF/A group. Move the device into the same cache partition and then add the device to the SRDF/A group. Or, do not add the device to that SRDF/A group, but create a new group in that cache partition.</td>
</tr>
<tr>
<td>LOCK FAILED FOR DEVICE xxxxx</td>
<td>Device xxxxx is held by another operation. Wait for all processes to complete for the device or select another device.</td>
</tr>
<tr>
<td>MICROCODE LEVEL TOO LOW</td>
<td>The operating environment level on the target storage system does not support the requested action.</td>
</tr>
<tr>
<td>NO CONCURRENT DRDF ON BCV</td>
<td>Concurrent dynamic SRDF is not allowed on a BCV device.</td>
</tr>
<tr>
<td>NO CONCURRENT SRDFA MIRRORS</td>
<td>In an SRDF/A configuration, only one mirror can be operating in SRDF/A mode.</td>
</tr>
<tr>
<td>PAIR MISMATCH</td>
<td>The devices that SRDF Host Component specified as a pair are not actually a pair. Contact the Dell EMC Customer Support Center for technical assistance.</td>
</tr>
<tr>
<td>R1 IS IN INVALID STATE</td>
<td>Check to see if the SRDF pair is in a suspended state.</td>
</tr>
<tr>
<td>R1 OF R21 IN WRONG RDF MODE</td>
<td>A CREATEPAIR action has failed because the request requires creation of an R21 device. The R21 &lt;-&gt; R2 pair must be in ADCOPY-DISK mode. Either the R21 device is the secondary device of the pair to be created and the existing pair is not in ADCOPY-DISK mode, or the R21 device is the primary device of the pair to be created and the ADCOPY-DISK flag was not specified in the command. For the first possibility above, issue an SC VOL command with action ADCOPY to put the existing pair in ADCOPY-DISK mode and then reissue the command. For the second</td>
</tr>
<tr>
<td>Error Code</td>
<td>Description</td>
</tr>
<tr>
<td>------------</td>
<td>-------------</td>
</tr>
<tr>
<td>R2 ALREADY RDF</td>
<td>The requested operation would result in adding a second SRDF mirror to an existing R2 device. This operation is not supported.</td>
</tr>
<tr>
<td>R2 IS IN INVALID STATE</td>
<td>Check to see if the SRDF pair is in a suspended state.</td>
</tr>
<tr>
<td>R2 RESTORE NOT COMPLETE</td>
<td>A Deletepair request failed because an R2 restore was in progress. Wait for the R2 restore to complete and try the request again.</td>
</tr>
<tr>
<td>RDF FLAGS MISMATCH</td>
<td>The SRDF flags passed by SRDF Host Component do not match those of the existing mirror. Contact the Dell EMC Customer Support Center for technical assistance.</td>
</tr>
<tr>
<td>RDF MIRROR EXISTS IN GROUP</td>
<td>An attempt to add an SRDF mirror to a device that already has an SRDF mirror in the specified group. Select another group in which to add the device.</td>
</tr>
<tr>
<td>RDF PAIR NOT SUSPENDED</td>
<td>Check to see if the SRDF pair is in a suspended state.</td>
</tr>
<tr>
<td>RDF POLARITY ERROR</td>
<td>Either the R1 side is not an R1 device, or the R2 side is not an R2 device. This could happen if a half swap or half deletepair were issued previously. It may be necessary to use HDELETEPAIR followed by CREATEPAIR to resolve this problem.</td>
</tr>
<tr>
<td>REMOTE SERIAL# INVALID</td>
<td>The serial number of the remote storage system was incorrect. This indicates that SRDF Host Component was unable to determine the correct serial number of the remote storage system.</td>
</tr>
<tr>
<td>RMT CP BNDRY W/SRDF/A ACTIVE</td>
<td>This message indicates a cache partitioning issue. You cannot add a device from a different cache partition than the other devices in the SRDF/A group. Move the device into the same cache partition and then add the device to the SRDF/A group. Or, do not add the device to that SRDF/A group, but create a new group in that cache partition.</td>
</tr>
<tr>
<td>SAIMF ERROR RC=XXXX, RE=XXXX</td>
<td>When RC=0014 and RS=0051, the device specified in the SRDF Host Component command is not available to the host system. Check to see that the correct device number was specified and that the device is physically available. Enter a D U MVS operator command and ensure that the device status does not indicate BOX. Enter a DEVSERV PATH MVS command.</td>
</tr>
<tr>
<td>Error Description</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>SPLIT CE+DE NOT ALLOWED</td>
<td>One or more devices are configured as split CE+DE devices. They are not allowed to be dynamic SRDF.</td>
</tr>
<tr>
<td>SRDFA ACTIVATION LOCK HELD</td>
<td>An attempt to perform dynamic SRDF operations on SRDF/A device(s) failed because the SRDF/A activation lock is held. Wait a while and try the command again.</td>
</tr>
<tr>
<td>SRDFA I/O'S OUTSTANDING</td>
<td>The SRDF/A cycles must be complete for the devices before dynamic SRDF operations can be performed. Wait for at least 2 SRDF/A cycles to complete before proceeding.</td>
</tr>
<tr>
<td>SRDFA MIXED RDF DEVICES</td>
<td>CREATEPAIR was requested, but would have resulted in adding an R1 to the secondary side of a SRDF/A group.</td>
</tr>
<tr>
<td>SRDFA STATE TABLE LOCKED</td>
<td>An attempt to perform dynamic SRDF operations on SRDF/A device(s) failed because the SRDF/A state table lock is held. Wait a while and try the command again.</td>
</tr>
<tr>
<td>_swap not allowed in SRDF/A group</td>
<td>Swap is not allowed for an SRDF/A group as it would result in an R1 device on the secondary side.</td>
</tr>
<tr>
<td>Swap R2 is larger than R1</td>
<td>Swap was requested but the R2 device is larger than the R1 device. This configuration is not allowed.</td>
</tr>
<tr>
<td>Swap with write pendings</td>
<td>Cannot swap if the device has outstanding write pendings. Wait for the write pendings to clear and try the operation again.</td>
</tr>
<tr>
<td>Symmpurge active on device</td>
<td>Symmetrix Purge is active on the device. Wait a while and try the operation again.</td>
</tr>
<tr>
<td>tolerance or cexmpt not set</td>
<td>Dynamic SRDF operations are not allowed on an SRDF group while SRDF/A is active on the same group unless tolerance or consistency exempt is set.</td>
</tr>
<tr>
<td>UCB failed validation</td>
<td>An error occurred validating the UCB for the specified device. Try issuing the command using a different gatekeeper device.</td>
</tr>
<tr>
<td>Undo action failed</td>
<td>A dynamic SRDF action failed, and subsequent backout of the action failed. Contact the Dell EMC Customer Support Center for technical assistance.</td>
</tr>
<tr>
<td>Code</td>
<td>Message</td>
</tr>
<tr>
<td>----------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>VAULT DEVICE CANNOT BE R2</td>
<td>Devices defined as VAULT devices cannot be R2s.</td>
</tr>
</tbody>
</table>
Note: You must also invalidate all tracks on all associated R1 devices. The value of n can be either 1 or 2, and should reflect the value entered for SYNCH_DIRECTION.

Action
None.

EMCCV57I

REQUEST TO INVALIDATE ALL TRACKS ON ALL Rn DEVICES, ENSURE ALL TRACKS ON ALL ASSOCIATED Rn DEVICES ARE VALID

Cause
An #SC VOL,p1,p2,p3 command was issued to a range of devices with p2=INVALIDATE parameter to the storage system to invalidate all tracks on all of the device types specified in the message.

Action
None.

EMCCV58I

DEVICES SKIPPED DUE TO PARAMETER VONOFF_R1(R2)_ONLY

Cause
An # SC VOL command was issued with the ONLINE or OFFLINE action but the devices were excluded from processing because of the VONOFF_R1_ONLY or VONOFF_R2_ONLY parameter set.

Action
None.

EMCCV59E

DEVICE IS NOT AN R1, ADC-MAX IS INVALID FOR THIS DEVICE

Cause
An #SC VOL,cuu,ADC_MAX... command was issued for a device that is not a source (R1) device.

Action
Select a source (R1) device and reenter the command.

EMCCV5AI

COMMAND BLOCKED BY PARAMETER

Cause
An #SC VOL,dddd,ONLINE or #SC VOL,dddd,OFFLINE command has been issued and a VONOFF_* parameter has been set in the SRDF Host Component initialization parameters that blocks this command.
Action
If you want to issue the command, then review the SRDF Host Component initialization parameter and make changes as needed to allow the command.

EMCCV5BI

NO DEVICES REQUESTED FOR THE COMMAND

Cause
An #SC VOL,dddd,ONLINE or #SC VOL,dddd,OFFLINE command has been issued and there are no devices that will be changed from one status to the other.

Action
None.

EMCCV5CR

SRDF REQUESTING VOLUME ONLINE TO ALL HOSTS, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause
An #SC VOL,dddd,ONLINE command was issued and OPERATOR_VERIFY is set to prompt before allowing this command.

Action
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCV5DR

SRDF REQUESTING VOLUME OFFLINE TO ALL HOSTS, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause
An #SC VOL,dddd,OFFLINE command was issued and OPERATOR_VERIFY is set to prompt before allowing this command.

Action
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCV5EE

Devices are always synchronized for the current Enginuity level

Cause
The command is not required. For operating environment levels higher than 5x71, devices are always synchronized.
EMCCV5FE

**MOVEPAIR src/tgt RDF group remote Symmetrix systems not the same**

**Cause**
A MOVEPAIR request specified source and target SRDF groups whose respective other-side storage systems are not the same. Since this is not permitted, the MOVEPAIR request is denied.

**Action**
Select a different target SRDF group and issue the MOVEPAIR request with the new target SRDF group.

EMCCV60E

**ADC-MAX NOT SUPPORTED AT THIS MICROCODE LEVEL, COMMAND ABORTED**

**Cause**
An #SC VOL, cuu, ADC_MAX command was issued for a device on a storage system with the operating environment earlier than Enginuity 5061.

**Action**
Use an #SC CNFG command to set the ADCOPY_MAX_ITRKS value for this storage system.

EMCCV61E

**DEVICE NOT IN ADAPTIVE COPY MODE, COMMAND ABORTED**

**Cause**
An #SC VOL, cuu, ADC_MAX command was used to attempt to set the adaptive copy skew value for a source (R1) device; however, the device was not in Adaptive Copy mode at the time.

**Action**
Use an #SC VOL, cuu command to set the device in adcopy write pending or disk mode, and reenter the failing command.

EMCCV63E

**DEVICE IS NOT AN R1, ADCOPY-DISK IS INVALID FOR THIS DEVICE**

**Cause**
An #SC VOL, cuu, ADCOPY_DISK command was issued for a volume that was not a source (R1) volume.
Action
Select a source (R1) volume for this command.

EMCCV64E

DEVICES NOT DYNAMIC RDF

Cause
An #SC VOL command with a dynamic SRDF action code (SWAP | CREATEPAIR | DELETEPAIR) was issued, but one or more devices were not configured as dynamic SRDF devices. This message is followed by a list of PowerMax/VMAX device numbers for which the message applies. If FORCE was specified, processing proceeds, but the listed devices are excluded.

Action
Select another device range for swap.

EMCCV66E

SWAP RANGE TOO BIG, PLEASE SPECIFY A SMALLER RANGE

Cause
Because of the diversity of the devices in the specified range, dynamic SRDF processing generated too many separate swap requests.

Action
Split the request into multiple commands.

EMCCV67E

ADCOPY-DISK NOT SUPPORTED AT THIS MICROCODE LEVEL, COMMAND ABORTED

Cause
An #SC VOL, cuu, ADCOPY_DISK command was issued for a device on a storage system with the operating environment earlier than Enginuity 5061.

Action
Use an #SC VOL, cuu, ADCOPY command for this device.

EMCCV68E

NADCOPY NOT ALLOWED IN DATA MOBILITY MODE FOR SYM# symmetrix_serial#

Cause
The storage system with serial number symmetrix_serial# is in Data Mobility mode, and cannot be taken out of Adaptive Copy mode.

Action
If you believe that this message should not have been issued, contact the Dell EMC Customer Support Center for technical assistance.
EMCCV6AE

**MIRROR POSITIONS NOT AVAILABLE FOR LOCAL DEVICES**

**Cause**
An #SC VOL command was entered with an action of CREATEPAIR, but the listed devices on the local side either have no open mirror positions or already have two dynamic mirrors.

**Action**
The request is aborted. Issue an #SQ MIRROR command for the listed device numbers. If they have attached BCVs, split them and try the command again.

EMCCV6BE

**MIRROR POSITIONS NOT AVAILABLE FOR REMOTE DEVICES**

**Cause**
An #SC VOL command was entered with an action of CREATEPAIR, but the listed devices on the remote side either have no open mirror positions or already have two dynamic mirrors.

**Action**
The request is aborted. Issue an #SQ MIRROR command for the listed device numbers. If they have attached BCVs, split them and try the command again.

EMCCV6EE

**MOVEPAIR target RDF group srdfgrp offline or not defined**

**Cause**
A MOVEPAIR request specified a target SRDF group that is unavailable because it is either undefined or offline. The MOVEPAIR request is denied.

**Action**
Select a different target SRDF group and issue the MOVEPAIR request with the new target SRDF group.

EMCCV6FE

**MOVEPAIR denied, SRDF/A active on target RDF group srdfgrp**

**Cause**
An SC VOL,...,MOVEPAIR command has been issued. However, the command has specified a target SRDF group on which there is an active SRDF/A session, which is not permitted. Consequently, the command cannot be executed.
Action
If appropriate, deactivate the SRDF/A session on the target group and reissue the command.

EMCCV70E
SELECTED DYNAMIC RDF ACTION NOT SUPPORTED AT THIS MICROCODE LEVEL

Cause
An #SC VOL command with a Dynamic SRDF action code (SWAP | CREATEPAIR | DELETEPAIR) was issued, but the storage system is not at a sufficient operating environment level to support the action.

Action
Issue an #SQ CNFG command to determine the operating environment level. Contact the Dell EMC Customer Support Center to arrange for an operating environment upgrade if necessary.

EMCCV71E
ADCOPY_RATE NOT SUPPORTED AT THIS MICROCODE LEVEL, COMMAND ABORTED

Cause
An #SC VOL command was issued with an action code of ADCOPY_RATE, but the storage system was below the minimum operating environment level of 5061 for this action code.

Action
None. The command is aborted.

EMCCV72E
SWAP OF CASCADING DEVICE dev# INVALID AT THIS UCODE LEVEL

Cause
A dynamic SRDF SWAP action was requested. However, at least one device included in the device range was an R21 device residing on a storage system whose operating environment level does not support this action.

Action
The request is not processed.

EMCCV73E
Swap of cascaded device would create invalid R22 state

Cause
A SWAP command was issued against a cascaded device. However, the swap would result in the creation of an R22 device, which is not supported by the storage system.
on which the indicated device resides. Consequently, the command cannot be executed.

**Action**
If appropriate, delete the pair consisting of the indicated device and its other partner, and reissue the SWAP command.

---

**EMCCV74E**

DEVELOPE IS ALREADY IN ADAPTIVE COPY MODE, REQUEST ABORTED

**Cause**
An #SC VOL, cuu, ADCOPY|ADCOPY_DISK command was entered; however, the device is already in one of the Adaptive Copy modes. The request is aborted.

**Action**
Use an #SQ ADC command to determine what Adaptive Copy mode the device is in. If the device is in the desired mode, no action is required. Otherwise, issue #SC VOL, cuu, NADCOPY to take the device out of Adaptive Copy mode and monitor the progress of the command with #SQ ADC. When the device is not in Adaptive Copy mode, issue #SC VOL, cuu, ADCOPY|ADCOPY_DISK to place it in the desired mode.

---

**EMCCV75E**

DEVICE #xxxx IN CONFLICTING ADAPTIVE COPY MODE, REQUEST ABORTED

**Cause**
An #SC VOL, cuu, ADCOPY|ADCOPY_DISK, ALL command was requested; however, a device on the targeted storage system was in a conflicting Adaptive Copy mode. (For example, the request was to place all devices in adaptive copy write pending mode when at least one device was in Adaptive Copy Disk mode.) The request is aborted.

**Action**
Use an #SQ ADC command to determine what devices are in Adaptive Copy modes. Issue an #SC VOL, cuu, NADCOPY, ALL command to take all devices on the storage system out of Adaptive Copy mode, and monitor the progress of the command with the #SQ ADC command. When all devices are no longer in the Adaptive Copy mode, try the failing command again.

---

**EMCCV76E**

SYNCH_DIRECTION SET TO NONE, VALIDATE/INVALIDATE/REFRESH NOT ALLOWED

**Cause**
An #SC VOL, cuu, VALIDATE|INVALIDATE|REFRESH command was requested; however, the current SYNCH_DIRECTION is set to none.

**Action**
Use an #SC GLOBAL, SYNCH_DIRECTION command to set the appropriate synchronization direction.
EMCCV77E

DEVICE symdv#, R2 SHOULD NOT BE R/W

Cause
An #SC VOL command was issued for an R2 device with the current SYNCH_DIRECTION set to R1>R2, but the R2 device was in a READ/WRITE state. The command requires the R2 device to be READ-ONLY.

Action
The command is aborted. Use an #SC VOL,cuu,R/O command to set the R2 device in READ-ONLY state, and try the failing command again. If issuing an #SC VOL command with the PREFRESH action, verify the SYNCH_DIRECTION is set correctly.

EMCCV78E

DEVICE symdv# NOT RDF-SUSP, COMMAND ABORTED

Cause
An #SC VOL command was issued for an R1 device with the current SYNCH_DIRECTION set to R1>R2, but the SRDF pair was not in an RDF-SUSP state. The command requires the SRDF pair to be RDF-suspended.

Action
The command is aborted. Use an #SC VOL,cuu,RDF_SUSP command to RDF-suspend the SRDF pair and try the failing command again.

EMCCV79I

DEVICES IN RANGE ARE NOT IN SPECIFIED RDF GROUP

Cause
An #SC VOL command was issued with RMT(...) or LCL(...), and an RDF GROUP or hop list was specified. A PowerMax/VMAX device number range or ALL was also specified. The message is followed by a list of devices in the specified range that are not in the specified SRDF group.

Action
The listed devices are excluded from the operation, and processing continues. If all devices in the specified range are excluded, the command is aborted.

EMCCV7AE

ONE OR MORE REMOTE DEVICES ARE BEYOND THE RANGE OF CONFIGURED DEVICES

Cause
An #SC VOL command was entered with a SWAP or DELETEPAIR action code and one or more devices were beyond the range of configured devices on the specified storage system.
Action
Check the device number range and try the command again.

EMCCV7BE

ATTEMPT TO ADD R1 TO WRONG SIDE OF AN SRDF/A GROUP

Cause
An #SC VOL CREATEPAIR command was issued to add devices to an SRDF/A SRDF group; however, the command would have resulted in the R1 being on the secondary side. In an SRDF/A group, all R1s must reside on the same side.

Action
Check the group number and reenter the command so that the R1s reside on the primary side.

EMCCV7CE

ATTEMPT TO SWAP R1 TO WRONG SIDE OF AN SRDF/A GROUP

Cause
An #SC VOL SWAP command was issued to swap devices in an SRDF/A SRDF group; however, the command would have resulted in R1s being on the secondary side. In an SRDF/A group, all R1s must reside on the same side.

Action
Review the configuration and reenter the command for the correct devices.

EMCCV7DE

SEMI-SYNC ACTION NOT SUPPORTED FOR model

Cause
An #SC VOL command was issued to a Symmetrix DMX-3 or later storage system requesting the SEMI-SYNC action. model identifies the model of the storage system involved, as indicated in the #SQ CNFG command output.

Action
The SEMI-SYNC action is not supported on Symmetrix DMX-3 or later models. Select another action for the specified range of devices, or select a range of devices on another storage system.

EMCCV7EI

UNEQUAL SIZE DEVICES BYPASSED - MUST USE REFRESH COMMAND
**EMCCV7FE**

Device symdv#, IS UNEQUAL SIZE RDF, COMMAND NOT EXECUTED - USE REFRESH

**Cause**
A RNG_REFRESH command was issued and the device symdv# has an R2 device that is larger than the R1 device that cannot be processed by the RNG_REFRESH command.

**Action**
If your SYNCH DIRECTION is R1>R2, use the REFRESH command for this device; otherwise, you cannot synchronize this device if R1<R2.

**EMCCV80E**

CREATEPAIR DEVICE(S) ALREADY RDF

**Cause**
An #SC VOL command with a CREATEPAIR action code was issued, but one or more local devices specified were already SRDF devices. This message is followed by a list of PowerMax/VMAX device numbers for which the message applies. If force was specified, processing proceeds, but the listed devices are excluded.

**Action**
Check the device numbers specified and reissue the command.

**EMCCV81E**

CREATEPAIR REMOTE DEVICE(S) ALREADY RDF

**Cause**
An # SC VOL command with a CREATEPAIR action code was issued, but one or more specified remote devices were already SRDF devices. This message is followed by a list of PowerMax/VMAX device numbers for which the message applies. If force was specified, processing proceeds, but the listed devices are excluded.

**Action**
Check the device numbers specified, and reissue the command.
EMCCV82E

DEVICE symdv#, VALIDATE WAS NOT SUCCESSFUL

Cause
An #SC VOL, cuu, RDF_RSUM command was issued for an R1 device after an #SC VOL, cuu, VALIDATE command was entered for the same device with the current SYNCH_DIRECTION set to R1<R2, but the validate command had not completed successfully.

Action
The command is aborted. Use the SYSLOG to determine why the validate command failed. Correct the problem, and try the VALIDATE command again.

EMCCV83E

DEVICE symdv#, ISSUE RDF-RSUM TO BEGIN SYNCHRONIZATION, COMMAND ABORTED

Cause
An #SC VOL, cuu, RDF_RDY command was issued for an R1 device after an #SC VOL, cuu, VALIDATE command was entered for the same device with the current SYNCH_DIRECTION set to R1<R2 with no intervening RDF_RSUM.

Action
Prior to making the R1 device RDF-RDY, you must resynchronize using an #SC VOL, cuu, RDF_RSUM command.

EMCCV84E

CREATEPAIR REMOTE DEVICE(S) NOT DYNAMIC RDF

Cause
An #SC VOL command with a CREATEPAIR action code was issued, but one or more remote devices specified were not dynamic SRDF devices. This message is followed by a list of PowerMax/VMAX device numbers for which the message applies. If force was specified, processing proceeds, but the listed devices are excluded.

Action
Check the device numbers specified and reissue the command.

EMCCV85E

DEVICE symdv#, NOT RDF-SUSP

Cause
An #SC VOL, cuu, VALIDATE command was issued for an R1 device; however, the device is not in RDF-SUSP status.
Action
The command is aborted.

EMCCV86E

DEVICE symdv#, NOT RDF-NRDY, ACTION NOT PERFORMED

Cause
An #SC VOL, cuu, VALIDATE command was issued for an R1 device; however, the device is not in RDF-NRDY status.

Action
The command is aborted.

EMCCV88E

R2 DEVICE IS NOT READY, COMMAND ABORTED

Cause
An #SC VOL, cuu, R/W command was issued to place an R2 device in READ/WRITE mode; however, the current state of the R2 device is NOT READY.

Action
Issue an #SC VOL, cuu RDY command to place the R2 device in ready state prior to issuing an #SC VOL, cuu, R/W command.

EMCCV89E

DEVICE symdv# VALIDATE DID NOT COMPLETE, CHECK THE DEVICE STATUS AND RETRY THE COMMAND

Cause
While the SYNCH DIRECTION was set to R1<R2, an #SC VOL, cuu, VALIDATE command was issued for an R1 device, but the command did not complete processing.

Action
Issue an #SQ VOL, cuu command to determine the current status of the device. Try the VALIDATE command again. If the problem persists, contact the Dell EMC Customer Support Center for technical assistance.

EMCCV8AE

LOCAL DEVICE CONCURRENT DRDF GROUP ERROR

Cause
An #SC VOL command was entered for a dynamic SRDF request and the SRDF group was either not specified or was invalid. The requested action was either directed to a concurrent dynamic SRDF set, or it was an attempt to add an R2 mirror to an existing SRDF pair. For the CREATEPAIR action, the group specified may conflict with the group of an existing SRDF mirror. For the DELETEPAIR action, the group specified
may not match the group of one of an existing SRDF mirror. The local R1 devices
affected are displayed following this message.

**Action**
Display the affected devices with #SQ VOL. Display the available groups with #SQ RDFGRP. Reissue the command with the appropriate SRDF group.

---

**EMCCV8BE**

**REMOTE DEVICE CONCURRENT DRDF GROUP ERROR**

**Cause**
An #SC VOL command was entered for a dynamic SRDF request and the SRDF group
was either not specified or was invalid. The requested action was either directed to a
concurrent dynamic SRDF set, or it was an attempt to add an R2 mirror to an existing
SRDF pair. For the CREATEPAIR action, the group specified may conflict with the
group of an existing SRDF mirror. For the DELETEPAIR action, the group specified
may not match the group of one of an existing SRDF mirror. The remote R1 devices
affected are displayed following this message.

**Action**
Display the affected devices with #SQ VOL. Display the available groups with SQ RDFGRP. Reissue the command with the appropriate SRDF group.

---

**EMCCV8CE**

**LOCAL R1: KEEPR2 AND EXISTING MIRROR NOT TNR**

**Cause**
An #SC VOL CREATEPAIR was issued with the KEEPR2 flag and the device to
become the new R1 already has an R1 mirror which is not suspended.

**Action**
Issue an #SC VOL RDF_SUSP action against the existing R1 mirror.

---

**EMCCV8DE**

**REMOTE R1: KEEPR2 AND EXISTING MIRROR NOT TNR**

**Cause**
An #SC VOL command was entered with the CREATEPAIR action and the KEEPR2
flag. The remote R1 device has an existing SRDF mirror and this is an attempt to
create a concurrent SRDF set. The existing SRDF pair is not suspended. The remote
R1 devices affected are displayed following this message.

**Action**
Issue an #SC VOL command to the remote R1 device with the RDF_SUSP action to
suspend the existing pair and reissue the CREATEPAIR.
**EMCCV8EE**

**LOCAL INCONSISTENT R1 FLAGS FOR CONCURRENT RDF**

**Cause**
An #SC VOL command was entered with the CREATEPAIR action and one or more primary (R1) flags were specified that conflict with the existing state of the device. See the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for a list of the primary (R1) flags. The local R1 devices affected are displayed following this message.

**Action**
Either omit the primary flags from the CREATEPAIR command to allow the R1 devices to keep their current state, or specify the FORCE flag to effect the state change to the R1 devices.

---

**EMCCV8FE**

**REMOTE INCONSISTENT R1 FLAGS FOR CONCURRENT RDF**

**Cause**
An #SC VOL command was entered with the CREATEPAIR action and one or more primary (R1) flags were specified that conflict with the existing state of the device. See the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for a list of the primary (R1) flags. The remote R1 devices affected are displayed following this message.

**Action**
Either omit the primary flags from the CREATEPAIR command to allow the R1 devices to keep their current state, or specify the FORCE flag to effect the state change to the R1 devices.

---

**EMCCV92E**

**COMMAND NOT SUPPORTED AT THIS MICROCODE LEVEL, USE VALIDATE AND INVALIDATE**

**Cause**
An #SC VOL command was issued with an action code of REFRESH or RFR_RSUM for a device on a storage system, which is below Enginuity 5062.

**Action**
Issue an #SQ CNFG, cuu command to determine the operating environment level of your storage system. Follow the recovery procedures as documented for your operating environment level.
EMCCV93E

REFRESH DEVICE NOT AN R2, CURRENT DIRECTION SET TO R1>R2, REQUEST ABORTED

Cause
An #SC VOL, cuu, REFRESH command was issued to a device, which is not an R2 device when the current SYNCH_DIRECTION is set to R1>R2.

Action
Issue an #SQ GLOBAL command to verify the current SYNCH_DIRECTION. Issue a #SQ VOL command to determine the mirror type of the requested device. Review the recovery procedures before continuing. Either change the current SYNCH_DIRECTION to R1<R2, or select an R2 device for refresh.

EMCCV94E

REFRESH DEVICE NOT AN R1, CURRENT DIRECTION SET TO R1<R2, REQUEST ABORTED

Cause
An #SC VOL, cuu, REFRESH command was issued to a device, which is not an R1 device when the current SYNCH_DIRECTION is set to R1<R2.

Action
Issue an #SQ GLOBAL command to verify the current SYNCH_DIRECTION. Issue an #SQ VOL command to determine the mirror type of the requested device. Review the recovery procedures before continuing. Either change the current SYNCH_DIRECTION to R1>R2, or select an R1 device for refresh.

EMCCV99E

DEVICE symdv# REFRESH ALREADY REQUESTED, ISSUE RFR-RSUM TO COMPLETE

Cause
An #SC VOL, cuu, REFRESH command was reentered for a device.

Action
Issue an #SC VOL, cuu, RFR_RSUM command to complete the REFRESH process.

EMCCV9AE

SWAP NOT ALLOWED WHEN R1 AND R2 ARE DIFFERENT SIZE

Cause
A swap was requested, but the R1 device is smaller than the R2 device.
Action
Since a larger R1 mirroring to a smaller R2 device is not supported, the request to swap is aborted.

EMCCV9BI

UNEQUAL SIZE DEVICES WITH SYNC DIRECTION OF R1<R2 NOT ALLOWED

Cause
An #SC VOL command was issued with an action code of VALIDATE, INVALIDATE, or REFRESH for unequal sized SRDF devices, and the synchronization direction is set to R1<R2.

Action
Sync direction R1<R2 is not supported for unequal sized SRDF pairs. The request is aborted.

EMCCV9CI

UNEQUAL SIZE DEVICES WITH SYNC DIRECTION OF R1<R2 NOT ALLOWED

Cause
A request to VALIDATE, INVALIDATE, or REFRESH was made to an SRDF pair where the R1 is smaller than the R2. The sync direction is set to R1<R2.

Action
Since a sync direction of R1<R2 is not supported when a smaller R1 is mirrored to a larger R2, the request is aborted.

EMCCV9DE

LOCAL R1 IS CONCURRENT RDF

Cause
An #SC VOL command was entered with the CREATEPAIR or SWAP action involving an R1 device which has 2 SRDF mirrors. This message is followed by a list of device numbers on the local storage system.

Action
Verify that the correct devices were specified. If desired, delete one of the R2 mirrors and reissue the CREATEPAIR or SWAP.

EMCCV9EE

REMOTE R1 IS CONCURRENT RDF
**EMCCV9FE**

**Cause**
An #SC VOL command was entered with the CREATEPAIR or SWAP action involving an R1 device which has 2 SRDF mirrors. This message is followed by a list of device numbers on the remote storage system.

**Action**
Verify that the correct devices were specified. If desired, delete one of the R2 mirrors and reissue the CREATEPAIR or SWAP.

**EMCCVA0E**

**Cause**
The devices indicated are in an SRDF/A SRDF group that has Host Intervention Required set.

**Action**
Run the MSC Cleanup utility to perform the MSC cleanup before you can issue the command. Note that you will need to wait approximately 30 seconds after the MSC Cleanup utility is run before reissuing the command.

**EMCCVA1E**

**Cause**
An #SC VOL, cuu, RDF_WR_ENABLE command was issued for a device that is not an R1.

**Action**
Issue an #SQ VOL, cuu command to determine the mirror type of the device. Try the command to the correct device type.

**EMCCVA3E**

**Cause**
An #SC VOL, cuu, RDF_WR_ENABLE command was issued for a device that does not have a status of RWD.

**Action**
Issue an #SQ VOL, cuu command to determine the mirror type of the device.
**Cause**
An #SC VOL, cuu, RDF_RSUM command has been requested for an R1 device for which a REFRESH command had previously completed.

**Action**
Issue an #SC VOL, cuu, RFR_RSUM command to complete the refresh process.

---

**EMCCVA5I**

**Cause**
NO REFRESH OR REFRESH NOT COMPLETE

**Action**
Check the log to see if a previous RFR_RSUM command had completed successfully.

---

**EMCCVA6E**

**Cause**
NO ELIGIBLE DEVICES FOUND FOR RFR-RSUM, REQUEST ABORTED

**Action**
Check the log for other messages that may indicate a failure for a specific device. Check to see that RFR_RSUM was preceded by at least one REFRESH command that had completed successfully to a device on the requested storage system.

---

**EMCCVA7E**

**Cause**
DEVICE symdv# NO AVAILABLE LINKS

**Action**
Issue an #SQ LINK command to check the link status on both the local and remote storage system. Ensure that the links are online and physically connected.

---

**EMCCVA8I**

**Cause**
DEVICE symdv# (RX), ISSUING RFR_RSUM

**Action**
An #SC VOL, cuu, RFR_RSUM command is being issued for device symdv#.
**EMCCVA9E**

Device `dev#` is not an R1 in RDF Group `xx`. Action is invalid

**Cause**
An #SC VOL command using the LCL or RMT format requested the RDF_SUSP or SUSP_CGRP action for the device indicated in the message. No mirror position for the listed device was found as an R1 in the SRDF group specified in the LCL or RMT keyword.

**Action**
Specify an SRDF group for which the indicated device is an R1.

**EMCCVAAI**

DEVICE `symdv#`, ISSUING REFRESH

**Cause**
An #SC VOL command was issued with a device range, or the ALL option and the REFRESH action. The REFRESH action is being issued for the indicated device number.

**Action**
This message is informational. No action is required.

**EMCCVABE**

DEVICE `symdv#` HAS NON-ZERO `Rn` ITRKS, RFR-RSUM NOT DONE FOR THIS DEVICE

**Cause**
An #SC VOL,cuu,RFR_RSUM command was issued for a device, and that device indicates nonzero invalid tracks on the SRDF partner device.

**Action**
The device is not properly refreshed. Reenter the refresh for the indicated device number and reenter the RFR_RSUM.

**EMCCVACI**

SC VOL COMMAND HAS NOT YET COMPLETED, PROCESSING CONTINUES

**Cause**
An #SC VOL command was requested, and the command has not yet completed. Command processing continues.
EMCCVADE

**CreatePair Requires That You Supply a Valid RDF Group**

**Cause**
An #SC VOL command with a CREATEPAIR action code was issued, but an SRDF group was not provided.

**Action**
Reissue the command with the LCL(cuu,srdfgrp#) format.

EMCCVAEI

**Raid10 Devices Are Currently Not Supported**

**Cause**
An #SC VOL command was issued to perform an action on a RAID10 device. SRDF Host Component currently does not support RAID10 devices.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCCVAFI

**No Available Links for the Following Devices**

**Cause**
An #SC VOL,dddd,RDF_RSUM command was issued, but the following devices are in LNR or are not in the same SRDF group and cannot be resumed.

**Action**
Determine why the links are down and bring them online, then reissue the command.

EMCCVB0E

**Device symdv#, Has Non-Zero R1 Invalid Tracks Command Aborted**

**Cause**
An #SC VOL, cuu,RDF_SUSP command has been issued to an R1 device that is in the process of synchronizing, and cannot be suspended until the synchronization is completed.
**EMCCVB1E**

**DEVICE symdv#, RFR-RSUM COMMAND FAILED**

**Cause**
An #SC VOL,cuu,RFR_RSUM command was requested for device symdv#, but the storage system was unable to accept the command at that time.

**Action**
Wait a few minutes, and try the #SC VOL,cuu,RFR_RSUM again. If the problem persists, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**EMCCVB2E**

**DEVICE symdv#, REFRESH COMMAND NOT EXECUTED**

**Cause**
An #SC VOL,cuu,REFRESH command was requested for device symdv#, but the command did not complete successfully.

**Action**
Wait a few minutes, and try the #SC VOL,cuu,REFRESH command again. If the problem persists, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**EMCCVB3E**

**DEVICE dev#, IS FBA, COMMAND NOT EXECUTED**

**Cause**
An SRDF Host Component command was issued for a device that is FBA and FBA processing is disabled. Since this device cannot be used from MVS, the command is rejected.

**Action**
Select another device, or use the #SC GLOBAL,FBA_ENABLE command to enable FBA processing on that device.

**EMCCVB4I**

**FBA DEVICES WILL BE EXCLUDED**
Cause
An #SC VOL command was issued with a device range or with the ALL option, and within that range was found one or more FBA devices and FBA processing is disabled. A list of the PowerMax/VMAX device numbers/ranges are displayed on subsequent lines of this multiline message.

Action
The FBA devices are excluded from the requested action, or use an #SC GLOBAL,FBA_ENABLE command to enable FBA processing on the devices.

EMCCVB5I

DEVICES IN DOMINO MODE WILL BE EXCLUDED

Cause
An #SC VOL command was issued with the RDF_SUSP action and a device range or ALL option, and within that range was found one or more devices in DOMINO mode. A list of the PowerMax/VMAX device numbers/ranges are displayed on subsequent lines of this multiline message.

Action
The devices in DOMINO mode are excluded from the requested action. Issue an #SC VOL command with the NDOMINO action code, and reenter the RDF_SUSP request.

EMCCVB6I

DEVICES IN CONFLICTING ADAPTIVE COPY MODE WILL BE EXCLUDED

Cause
An #SC VOL command was issued with the ADCOPY or ADCOPY_DISK action and with a device range. Within the range was found one or more devices in a conflicting Adaptive Copy mode.

This message occurs when a request is submitted to place devices in Adaptive Copy Write Pending mode, and some or all of the devices in the range are in Adaptive Copy Disk mode. This message also occurs when a request to place devices in Adaptive Copy Disk mode finds some or all of the devices in Adaptive Copy Write Pending mode.

A list of the PowerMax/VMAX device numbers/ranges that are in a conflicting Adaptive Copy mode are displayed on subsequent lines of this multiline message.

Action
The devices in conflict are excluded from the requested action. Issue an #SC VOL command with the NADCOPY action code, and try the request for the excluded devices again.

EMCCVB7I

VALIDATE WAS NOT SUCCESSFUL FOR DEVICES
Cause
An #SC VOL command was issued with the RDF_RSUM action and with a device range or ALL option. Within that range was found one or more devices to which an #SC VOL command with the VALIDATE action had previously been requested and had not completed successfully. A list of the PowerMax/VMAX device numbers/ranges will be displayed on subsequent lines of this multiline message.

Action
Use the SYSLOG to determine why the validate command did not complete successfully. Correct the problem, and try the validate command again.

EMCCVB8I

ISSUE RDF-RSUM TO BEGIN SYNCHRONIZATION FOR

Cause
An #SC VOL command was issued with the RDF_RDY action and a device range or ALL option. Within that range was found one or more devices to which an #SC VOL command with the VALIDATE action had previously been requested. A list of the PowerMax/VMAX device numbers/ranges are displayed on subsequent lines of this multiline message.

Action
Prior to making the R1 devices RDF-RDY, you must initiate resynchronization using the #SC VOL command with the RDF_RSUM action.

EMCCVB9I

REFRESH REQUESTED FOR THESE DEVICES, ISSUE RFR-RSUM TO COMPLETE

Cause
An #SC VOL command was issued with the RDF_RSUM action and a device range or ALL option. Within that range was found one or more devices to which an #SC VOL command with the REFRESH action had previously been requested. A list of the PowerMax/VMAX device numbers/ranges are displayed on subsequent lines of this multiline message.

Action
Issue an #SC VOL command with the RFR_RSUM action to complete the REFRESH process.

EMCCVBAI

DEVICES ALREADY IN TNR STATUS WILL BE EXCLUDED

Cause
An #SC VOL command was issued with the RDF_SUSP action and a device range or ALL option. Within that range was found one or more devices that are already in a TNR (target not ready) state. A list of the PowerMax/VMAX device numbers/ranges are displayed on subsequent lines of this multiline message.
Action
Check the status of the listed device numbers. Issue an #SQ LINK command to check that at least one link is online and connected. Scan the SYSLOG or the SRDF Host Component command log for previously issued #SC VOL commands.

EMCCVBBI
RFR-RSUM RETRYING FOR DEVICES

Cause
An #SC VOL command was issued with the RFR_RSUM action. The RFR_RSU failed to complete on the listed device(s).

Action
None. SRDF Host Component reissues the commands for the listed devices up to four times.

EMCCVBCI
RFR-RSUM INCOMPLETE FOR DEVICES

Cause
An #SC VOL command was issued with the RFR_RSUM action. The RDF_RSU failed to complete on the listed device(s) after having been retried four times.

Action
Issue an #SQ VOL command to check the status of the listed device numbers. Issue an #SQ LINK command to check that at least one link is online and connected. Scan the SYSLOG or the SRDF Host Component command log for previously issued #SC VOL commands. Reenter the RDF_RSU action for the listed device numbers.

EMCCVBEE
VOLUME MUST NOT BE RWD, ACTION NOT PERFORMED FOR DEVICE symdv#

Cause
An #SC VOL command with the RDF_SUSP action was issued to a device, and the specified device was in an RDF WRITE DISABLED status.

Action
Check the specified device. Ensure that its partner R2 device is in a READ ONLY mode. Issue an #SC VOL command with the RDF_WR_ENABLE action. Ensure that the device is in a TNR status by issuing #SC VOL with the RDF_SUSP action, if necessary.

EMCCVBFI
DEVICES IN RWD STATUS WILL BE EXCLUDED
EMCCVC0I

R1 DEVICES WITH R1 INVALID TRACKS

Cause
An #SC VOL command was issued with the RDF_SUSP action, and the following devices have R1 invalid tracks.

Action
None.

EMCCVC1I

DEVICE symdv#, REFRESH COMMAND RETRYING

Cause
A REFRESH command was issued that has not completed. The code will retry the command.

Action
None.

EMCCVC2I

DEVICE symdv# RFR-RSUM RETRYING (CUU:nnnn)

Cause
An #SC VOL,cuu,RFR_RSUM command was issued for a single device and the command failed to complete.

Action
None. The command is automatically retried up to four times for a storage system with a local link, and up to 10 times for a storage system with an extended link. Use the #SQ CNFG command to determine whether your storage system has a local or extended link.

EMCCVC3I

DEVICE symdv# RFR-RSUM INCOMPLETE (CUU:nnnn)
Cause
An #SC VOL, cuu, RFR_RSUM command was issued for a single device, and the command failed to complete after the prescribed number of retries.

Action
Issue an #SQ VOL command to check the status of the device. Issue an #SQ LINK command to check that at least one link is online and connected. Scan the SYSLOG or the SRDF Host Component command log for previously issued #SC VOL commands. Reenter the RDF_RSUM action for the device.

EMCCVC4I

DEVICE symdv#, RFR-RSUM COMMAND RETRYING

Cause
An RFR_RSUM was issued that has not completed. The code will retry the command.

Action
None.

EMCCVC5I

DEVICE symdv#, RDF_WR_ENABLE INCOMPLETE

Cause
An #SC VOL, cuu, RDF_WR_ENABLE command was issued for a device, but the device failed to change status.

Action
Check the status of the partner R2 device. If it is R/W, use an #SC VOL, cuu, R/O command to make it read-only, and try the failing command again.

EMCCVC6I

RDF_WR_ENABLE INCOMPLETE FOR DEVICES

Cause
An #SC VOL,... command with the RDF_WR_ENABLE action was issued for a range of devices, but some of the devices failed to change status. This message is followed by a list of device numbers that did not change status.

Action
Check the status of partner R2 devices. If they are R/W, use an #SC VOL, cuu, R/O command to make them read-only, and try the failing command again.

EMCCVC7I

DEVICES IN CONSISTENCY GROUPS WILL BE EXCLUDED
Cause
An #SC VOL command with an action code of ADCOPY, ADCOPY_DISK, CARSUM, or RDF_SUSP for a range of devices and the range included devices in a consistency group.

Action
Verify the range specified. Issue an #SQ VOL,cuu,CGROUP command to obtain a list of devices in consistency groups.

**EMCCVC8I**

SPECIFIED ACTION NOT ALLOWED FOR A DEVICE IN A CONSISTENCY GROUP

Cause
An #SC VOL command with an action code of ADCOPY, ADCOPY_DISK, or RDF_SUSP for a single device, which happens to be in a consistency group.

Action
Verify the device specified. Issue an #SQ VOL,cuu,CGROUP command to obtain a list of devices in consistency groups.

**EMCCVC9I**

PPRC DEVICES ARE NOT SUPPORTED

Cause
An #SC VOL command was issued, and one or more devices were established using PPRC. If a range was supplied, this message is followed by a list of the affected device ranges.

Action
#SC VOL commands are not supported on PPRC devices. Processing is aborted.

**EMCCVCAI**

DEVICE symdv#, SCVOL INCOMPLETE

Cause
An #SC VOL command was issued to a single device, and the device failed to change to the requested status within a reasonable amount of time.

Action
Issue an #SQ VOL command to determine the current status of the device. Try the #SC VOL command again. If the problem persists, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
EMCCVCBI

SCVOL INCOMPLETE FOR DEVICES:

Cause
An #SC VOL command was issued to a range of devices, and the listed devices failed to change to the requested status within a reasonable amount of time.

Action
Issue an #SQ VOL command to determine the current status of the devices. Try the #SC VOL command again. If the problem persists, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

EMCCVCCI

DEVICES NOT IN CONSISTENCY GROUPS WILL BE EXCLUDED

Cause
An #SC VOL command was issued to a single device, and the device failed to change to the requested status within a reasonable amount of time.

Action
Issue an #SQ VOL command to determine the current status of the device. Try the #SC VOL command again. If the problem persists, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase website for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

EMCCVCDI

SPECIFIED ACTION NOT ALLOWED FOR A DEVICE NOT IN A CONSISTENCY GROUP

Cause
An #SC VOL command with an action code of SUSP_CGRP was issued to a device that is not in a consistency group.

Action
Issue an #SQ VOL, cuu,CGROUP command to determine which devices are in consistency groups. Select a device in a consistency group, and reenter the command.

EMCCVCEE

DEVICE symdv# REQUIRES SPECIAL PROCESSING BEFORE RESUME
Cause
An #SC VOL command was entered with the RDF_RSUM action; however, the device specified requires that resynchronization procedures be performed. The command is aborted.

Action
Refer to “Procedure 2: Selecting a Synchronization Method” in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide. Ensure that Steps 1 and 2 are complete. Then use Step 3 to determine the appropriate resynchronization procedure to be used to resume remote mirroring.

EMCCVCFE

THE FOLLOWING DEVICES REQUIRE SPECIAL PROCESSING BEFORE RESUME

Cause
An #SC VOL command was entered with the RDF_RSUM action; however, (some of) the specified devices require that resynchronization procedures be performed. A list of the PowerMax/VMAX device numbers/ranges that require the resynchronization procedures are displayed on the subsequent lines of this multiline message. The command is aborted. None of the requested devices are resumed.

Action
Check the R2 partner. If it is R/W, set it to R/O. Next, refer to “Procedure 2: Selecting a Synchronization Method” in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide, and ensure that Steps 1 and 2 are complete. Then use Step 3 to determine the appropriate resynchronization procedure to be used to resume remote mirroring.

EMCCVCFW

THE FOLLOWING DEVICES REQUIRE SPECIAL PROCESSING BEFORE RESUME

Cause
An #SC VOL command was entered with the RDF_RSUM action; however, some of the specified devices require that resynchronization procedures be performed. A list of the PowerMax/VMAX device numbers/ranges that require the resynchronization procedures are displayed on the subsequent lines of this multiline message. The command is aborted. None of the requested devices are resumed.

Action
Check the R2 partner. If it is R/W, set it to R/O. Next, refer to “Procedure 2: Selecting a Synchronization Method” in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide, and ensure that Steps 1 and 2 are complete. Then use Step 3 to determine the appropriate resynchronization procedure to be used to resume remote mirroring.

EMCCVDAE

No eligible online devices found matching volser/mask
**Cause**
An SC command was issued with location information specified via the VOL keyword parameter, which specifies a volser or mask used to select devices. The command applies a specified action to each storage system on which at least one of the selected devices reside. However, no matching online volser was found, so no applicable storage system could be determined, and the command was not processed.

**Action**
Correct the volser or mask, or specify the location information for the command in a different way, such as via a gatekeeper or a defined SCF or SMS group. Reissue the command.

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**EMCCVDBI**

**DEVICE(S) CANNOT BE MADE RDF-RDY: REFRESH OR VALIDATE**

**Cause**
An RDF_RDY command has been issued to R1 device(s) that have either the REFRESH or VALIDATE indicator on, and cannot be done until the RFR_RSUM or INVALIDATE commands are run on the device(s).

**Action**
Complete the procedure you are running before setting the device to RDF-RDY.

---

**EMCCVDCE**

**SPECIFIED ACTION NOT ALLOWED FOR A DEVICE IN AN ACTIVE SRDF/A SESSION**

**Cause**
An active SRDF/A device was the target of a RDF_RSUM command. The RDF_SUSP command may not be done to the active SRDF/A device.

**Action**
Either deactivate SRDF/A or turn Tolerance mode on, then issue the RDF_RSUM again.

---

**EMCCVDDI**

**ACTIVE SRDF/A DEVICES BEING BYPASSED**

**Cause**
An #SC VOL command action was issued to a set of devices including active SRDF/A devices. The active SRDF/A devices are ineligible to be processed by the command action and will be bypassed.

**Action**
None.
EMCCVDEE

SPECIFIED ACTION IS NOT ALLOWED TO AN ACTIVE SRDF/A DEVICE

Cause
An ADCOPY or ADCOPY_DISK command was issued to an active SRDF/A device. The command cannot be issued to an active SRDF/A device. The command is aborted.

Action
None.

EMCCVDFE

CREATEPAIR IS NOT ALLOWED - RDFGRP xx IS DEFINED TO SRDF/A

Cause
A CREATEPAIR command is being attempted to an SRDF group with SRDF/A. CREATEPAIR is not allowed to an SRDF group with SRDF/A. The command is aborted.

Action
None.

EMCCVE1E

DEVICE IS NOT AN R2, ITA IS INVALID FOR THIS DEVICE

Cause
An #SC VOL,cuu,ITA command was issued to a device that is not an R2 device.

Action
Verify that the device is an R2. If the problem persists, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

EMCCVE3E

DEVICE IS NOT AN R2, NITA IS INVALID FOR THIS DEVICE

Cause
An #SC VOL,cuu,NITA command was issued to a device that is not an R2 device.

Action
Verify that the device is an R2. If the problem persists, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**EMCCVE4E**

DEVCIE  symdv#, PARTNER R1 IS NOT IN TNR STATUS

Cause
An #SC VOL dddd,INVALIDATE or #SC VOL dddd,REFRESH command was attempted on an R2 device, but the R1 device was not suspended.

Action
If you intend to INVALIDATE or REFRESH the R2, you must have the R1 in the proper state.

**EMCCVE5W**

DELETEPAIR: R1 INDICATES DATA OWED TO THE R2

Cause
An #SC VOL command with a DELETEPAIR action code was issued, but one or more R1 devices indicated that it owed tracks to its remote partner. This message is followed by a list of device numbers to which it applies.

Action
Unless FORCE was specified, the command is aborted. If FORCE is specified, DELETEPAIR processing continues, and the owed tracks are not transferred to the SRDF partner.

**EMCCVE6W**

DELETEPAIR: R2 INDICATES DATA OWED TO THE R1

Cause
An #SC VOL command with a DELETEPAIR action code was issued, but one or more R2 devices indicated that it owed tracks to its remote partner. This message is followed by a list of device numbers to which it applies.

Action
Unless FORCE was specified, the command is aborted. If FORCE is specified, DELETEPAIR processing continues, and the owed tracks are not transferred to the SRDF partner.

**EMCCVE7I**

CREATEPAIR: DEVICE SIZE OR EMULATION DOES NOT MATCH

Cause
An #SC VOL,LCL(ddd,x),CREATEPAIR,aaaa,bbbb command has been issued, and the aaaa and bbbb devices do not have identical device size or emulation.
Action
Make sure the devices that the CREATEPAIR are issued for have the same size and emulation.

EMCCVE9E

SC VOL typemask corrupted - detected by subroutine

Cause
The type mask identifying devices used by module SCVOL was found to be corrupted. The named subroutine detected this. type is the two character mask type. subroutine is the name of the subroutine that detected this.

Action
The requested SC VOL action is aborted. Document the command that was specified and all messages that were issued as a result of the command. Contact the Dell EMC Customer Support Center for technical assistance.

EMCCVEAW

ESF21DRD incompatible with Version 2 FC21DRDI - Tolerating

Cause
During an SC VOL action it was found that the DRDF API that is part of SCF ResourcePak Base is back-level and does not support version 2 FC21DRDI functionality.

Action
SC VOL actions tolerate the incompatibility, but for optimum functionality SCF ResourcePak Base should run with the current version of the DRDF API. Contact the Dell EMC Customer Support Center for technical assistance.

EMCCVEBW

DRDF: LOCAL RDF-NRDY DEVICES WILL BECOME READY TO THE HOST

Cause
An #SC VOL command was entered with an action code of DELETEPAIR, and one or more devices on the local storage system were in an RDF-NRDY state. A list of PowerMax/VMAX device numbers follows.

Action
For the devices listed, the RDF-NRDY condition is cleared and the devices are made READY to the host.

EMCCVECW

DRDF: REMOTE RDF-NRDY DEVICES WILL BECOME READY TO THE HOST
Cause
An #SC VOL command was entered with an action code of DELETEPAIR, and one or more devices on the remote storage system were in an RDF-NRDY state. A list of PowerMax/VMAX device numbers follows.

Action
For the devices listed, the RDF-NRDY condition is cleared and the devices are made READY to the host.

EMCCVEDW

DRDF: NADCOPY INVALID FOR DEVICES IN DATA MOBILITY MODE

Cause
An #SC VOL command was issued with a CREATEPAIR or SWAP action code, and NADCOPY flag was specified. Either the R1 or the R2 (or both) were on a storage system operating in data mobility mode. This message is followed by a list of device ranges of those devices that are in data mobility mode.

Action
The command is aborted unless FORCE was specified, in which case, the command continues for those devices for which neither the R1 nor the R2 are in data mobility mode.

EMCCVEEI

RAGRP xx IS UNKNOWN SO SYNC_DIRECTION IS SET TO NONE

Cause
The SRDF group xx specified in the command is unknown. The SYNC_DIRECTION is set to NONE, thus preventing procedural commands.

Action
None.

EMCCVEFE

DEVICE symdv#, INVALID RAGRP, ACTION NOT PERFORMED

Cause
The SRDF group for device symdv# is unknown. The command is aborted.

Action
Verify the SRDF group by performing queries.

EMCCVF0E

LOCAL DEVICE(S) NOT DYNAMIC R1
Cause
An #SC VOL command was issued with a CREATEPAIR or SWAP action code, and the listed local devices were to become R1s, but they are not configured as being dynamic R1 capable.

This message is followed by a list of PowerMax/VMAX device numbers for those local devices that are in error.

Action
If FORCE is not specified, the command is aborted. If FORCE is specified, processing continues with those devices that are not in error.

EMCCVF1E

LOCAL DEVICE(S) NOT DYNAMIC R2

Cause
An #SC VOL command was issued with a CREATEPAIR or SWAP action code, and the listed local devices were to become R2s, but they are not configured as being dynamic R2 capable.

This message is followed by a list of PowerMax/VMAX device numbers for those local devices that are in error.

Action
If FORCE is not specified, the command is aborted. If FORCE is specified, processing continues with those devices that are not in error.

EMCCVF2E

REMOTE DEVICE(S) NOT DYNAMIC R1

Cause
An #SC VOL command was issued with a CREATEPAIR or SWAP action code, and the listed remote devices were to become R1s, but they are not configured as being dynamic R1 capable. This message is followed by a list of PowerMax/VMAX device numbers for those remote devices that are in error.

Action
If FORCE is not specified, the command is aborted. If FORCE is specified, processing continues with those devices that are not in error.

EMCCVF3E

REMOTE DEVICE(S) NOT DYNAMIC R2

Cause
An #SC VOL command was issued with a CREATEPAIR or SWAP action code, and the listed remote devices were to become R2s, but they are not configured as being dynamic R2 capable. This message is followed by a list of PowerMax/VMAX device numbers for those remote devices that are in error.
**Action**

If FORCE is not specified, the command is aborted. If FORCE is specified, processing continues with devices that are not in error.

---

**EMCCVF4I**

SC VOL, action STATUS FOR SYMM symmetrix_serial#

ELIGIBLE DEVICES = nnn, DEVICES CHECKED = nnn
DEVICES COMPLETE = nnn, DEVICES INCOMPLETE = nnn

**Cause**

An #SC VOL command is performing the specified action against the storage system with serial number symmetrix_serial#. This message is issued at regular intervals to report on its progress. The fields included in this message are:

- **ELIGIBLE DEVICES**
  The total number of devices for which the specified action is being performed.

- **DEVICES CHECKED**
  The number of devices for which the specified action has been performed and for which verification of the desired device state is either finalized or in progress.

- **DEVICES COMPLETE**
  The number of devices for which the specified action has been performed and the desired device state has been verified.

- **DEVICES INCOMPLETE**
  The number of devices for which the specified action has been performed but for which the desired device state has not yet been achieved.

**Action**

Use the reported values to monitor the progress of the #SC VOL command.

---

**EMCCVF5I**

SC VOL AWAITING COMPLETION FOR DEVICES:

symdev# - symdev#

**Cause**

This message follows message EMCCVF4I and is issued when the number of “DEVICES INCOMPLETE” reported in message EMCCVF4I is non-zero. Message EMCCVF5I identifies the PowerMax/VMAX devices which have not yet achieved the desired device status.

**Action**

Use the reported values to monitor the progress of the #SC VOL command.

---

**EMCCVF6I**

SC VOL RETRYING FOR INCOMPLETE DEVICES:

symdev# - symdev#

**Cause**

This message indicates a retry is being performed for the specified devices.
**EMCCVF7E**

**Action**
None.

**SUSP_CGRP disallowed, xxxx is an FBA device**

**Cause**
An #SC VOL command with the SUSP_CGRP action was issued, but CUU xxxx is a FBA device.

**Action**
The SUSP_CGRP action is not allowed for FBA devices.

**EMCCVF8I**

**DEVICE(S) EXCLUDED WITH SYNC DIRECTION OF NONE**

**Cause**
An #SC VOL command has been issued to selected devices that have more than one SYNCH_DIRECTION. This message lists the devices that have SYNCH_DIRECTION of NONE.

**Action**
If OPERATOR_VERIFY is CRITICAL, refer to “EMCCVFBR”. Note that nothing happens to these devices since the SYNCH_DIRECTION is NONE.

**EMCCVF9I**

**DEVICE(S) REQUESTED WITH SYNC DIRECTION OF R1>R2**

**Cause**
An #SC VOL command has been issued to selected devices with more than one SYNCH_DIRECTION.

**Action**
If OPERATOR_VERIFY is CRITICAL, refer to “EMCCVFBR”. Note that these devices are sending data from the R1 to the R2.

**EMCCVFAI**

**DEVICE(S) REQUESTED WITH SYNC DIRECTION OF R1<R2**

**Cause**
An #SC VOL command has been issued to devices with more than one SYNCH_DIRECTION.
Action
If OPERATOR_VERIFY is CRITICAL, refer to “EMCCVFBR”. Note that these devices are sending data from the R2 to the R1.

EMCCVFCE

SEMI-SYNC IS NOT ALLOWED IN A BOX WITH FICON DIRECTORS

Cause
A SEMI_SYNC command was issued to a device in a storage system with FICON. FICON does not allow devices to be in SEMI-SYNC.

Action
None.

EMCCVFDI

Rmt devices skipped: TF/Clone session, locked, or in use

Cause
A command was issued to devices with a TimeFinder/Snap session on the remote devices. The devices with TimeFinder/Snap sessions are bypassed.

Action
None.

EMCCVFEI

LOCAL DEVICE(S) EXCLUDED BECAUSE OF TIMEFINDER DATASET SNAP

Cause
A command was issued to devices with a TimeFinder/Snap session on the local devices. The devices with TimeFinder/Snap sessions are bypassed.

Action
None.

EMCCVFFE

DEVICES BYPASSED BECAUSE R1 IS NOT TARGET NOT READY

Cause
A R/W command was issued to R2 devices that are ready on the link with the R1 device.

Action
Do an RDF_SUSP to the R1 devices before the R/W to the R2.
EMCCW01E

R1 and R2 on the same Symm

Cause
An #SC VOL command was issued with the CASCRE action. However, the local and far devices of the resulting cascaded triplet would both reside on the same storage system. This configuration is not permitted, so the command has failed.

Action
Determine the intended device configuration and issue the necessary command.

EMCCW02E

Partner of R1 dev# not cascaded

Cause
An #SC VOL command was issued with a CASDEL, CASSWAP, CASRSUM, or CASSUSP action. For such actions, the local device must be the R1 or R2 of a cascaded triplet and the partner of the local device must be a cascaded (R21) device. However, the partner of the local device whose device number appears in the message was not cascaded, so the command has failed.

Action
Determine the intended goal of the action and issue the necessary command.

EMCCW03E

No table memory, xxxxxxxxx needed

Cause
Insufficient storage was available for the tables required to process the current command, so the command has failed.

Action
If issued during processing of an SRDF Host Component or batch interface command, run Host Component in a larger region. If issued during processing of a REXX interface command, run the batch job under which the command was issued in a larger region.

EMCCW04E

Local device dev# will be R21, Enginuity level 5773 required

Cause
An #SC VOL command was issued with an action that would result in creation of a cascaded (R21) device. However, the device that would become R21 resides on a storage system at an operating environment level lower than 5773, the lowest level on which a cascaded device can be defined. Consequently, the command has failed.
device causing the error resides on the local storage system as specified by the command.

**Action**
Determine the intended configuration and issue the necessary command.

**EMCCW05E**

Rmt dev of dev#:dev# will be R21, Symm not 5x73

**Cause**
An #SC VOL command was issued with an action that would result in creation of a cascaded (R21) device. However, the device that would become R21 resides on a storage system at operating environment level lower than 5773, the lowest level on which a cascaded device can be defined. Consequently, the command has failed. The device causing the error resides on the remote storage system as specified by the command.

**Action**
Redetermine the intended configuration, and issue the necessary command.

**EMCCW06E**

Local device dev# will be R22, Symm not 5874

**Cause**
An #SC VOL command was issued that would result in the creation of an R22 device. However, the indicated device resides on a storage system at operating environment level lower than 5874, the lowest level on which an R22 device can be defined. Consequently, the command has failed.

**Action**
Determine the intended configuration and issue the necessary command.

**EMCCW07E**

Rmt dev of dev#:dev# will be R22, Symm not 5874

**Cause**
An #SC VOL command was issued that would result in the creation of an R22 device. However, the indicated device resides on a storage system at operating environment level lower than 5874, the lowest level on which an R22 device can be defined. Consequently, the command has failed.

**Action**
Determine the intended configuration and issue the necessary command.
EMCCW08E

Local device dev# will be R21, not supported

**Cause**
An #SC VOL command was issued with a CREATEPAIR, CASCRE, SWAP, or HSWAP action that would result in the creation of a cascaded (R21) device. However, creation of R21 devices is not supported on the configured system. Consequently, the command has failed.

**Action**
Determine whether your configuration is licensed for Cascaded SRDF support. If not, do not attempt to create cascaded devices. Otherwise, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

EMCCW09E

Rmt dev of dev#:dev# will be R21, not supported

**Cause**
An #SC VOL command was issued with a CREATEPAIR, CASCRE, SWAP, or HSWAP action that would result in the creation of an R21 device. However, creation of R21 devices is not supported on the configured system. Consequently, the command has failed.

**Action**
Determine whether your configuration is licensed for R21 device support. If not, do not attempt to create such devices. Otherwise, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

EMCCW0AE

MOVEPAIR source group xx undefined

**Cause**
An #SC VOL command was issued for a MOVEPAIR action. During command validation, however, the specified source group was found to be undefined on the local storage system. Consequently, the command has failed.

**Action**
Verify that the SRDF group specified as the source group in the command was correctly specified. If so, ensure that the SRDF group is defined. Note that a lost connection between the local and remote storage systems can result in an SRDF group appearing to be undefined. As appropriate, either change the SRDF group specified in the command, define the SRDF group, or restore the lost link. Then reissue the (possibly modified) command.
**EMCCW0BE**

MOVEPAIR denied, target group xx

**Cause**
An #SC VOL command was issued for a MOVEPAIR action. However, during command validation, the specified target group was found to be undefined on the local storage system. Consequently, the command has failed.

**Action**
Verify that the SRDF group specified as the target group in the command was correctly specified. If so, ensure that the SRDF group is defined. Note that a lost connection between the local and remote storage systems can cause an SRDF group to appear to be undefined. As appropriate, change the SRDF group specified in the command, define the SRDF group, or restore the lost link. Then reissue the (possibly modified) command.

**EMCCW0CE**

MOVEPAIR denied, Rmt RDF groups on different Symms

**Cause**
An #SC VOL command was issued for a MOVEPAIR action. However, during command validation, it was found that different storage systems are associated with the source and target SRDF groups' other-side SRDF groups. Since this is not permitted for a MOVEPAIR action, the command has failed.

**Action**
Respecify the target SRDF group so it conforms to MOVEPAIR requirements.

**EMCCW0DE**

MOVEPAIR denied, SRDF/A active in RDF group xx

**Cause**
An #SC VOL command was issued for a MOVEPAIR action. However, during command validation, it was found that SRDF/A is active on the specified target SRDF group. Moving a device pair into an SRDF group with SRDF/A active requires either that tolerance mode be on for the SRDF group or that the CEXMPT option be specified in the command. Since neither of these requirements was met, the command has failed.

**Action**
If appropriate, set tolerance mode on for the SRDF/A session by means of the SC SRDFA command with the TOL_ON action. Otherwise, you may specify the CEXMPT option in the #SC VOL command.
EMCCW0EE

MOVEPAIR Lcl Symm not 5773 or higher

Cause
An #SC VOL command was issued for a MOVEPAIR action. However, during command validation, it was found that the local storage system for the command is not at Enginuity 5773 or a later level of the operating environment. The minimum level at which the MOVEPAIR action is supported is 5773. Consequently, the command has failed.

Action
You may achieve the desired results by suspending and deleting the device pairs in the specified source group and then recreating the device pairs in the specified target group. However, it may be appropriate to define needed device pairs on a storage system with Enginuity 5773 or a later level of the operating environment so that this procedure is not necessary.

EMCCW0FE

MOVEPAIR Rmt Symm not 5773 or higher

Cause
An #SC VOL command was issued with a MOVEPAIR action. However, during command validation, it was found that the remote storage system for the command is not at Enginuity 5773 or a later level of the operating environment. The minimum level at which the MOVEPAIR action is supported is 5773. Consequently, the command has failed.

Action
You may achieve the desired results by suspending and deleting the device pairs in the specified source group and then recreating the device pairs in the specified target group. However, it may be appropriate to define needed device pairs on a storage system with Enginuity 5773 or a later level of the operating environment so that this procedure is not necessary.

EMCCW10E

Local device dev# will be R22, not supported

Cause
An #SC VOL command was issued with a CREATEPAIR, CASCRE, SWAP, or HSWAP action that would result in the creation of an R22 device. However, creation of R22 devices is not supported on the configured system. Consequently, the command has failed.

Action
Determine whether your configuration is licensed for R22 device support. If not, do not attempt to create such devices. Otherwise, contact the Dell EMC Customer Support.
Support Center for technical assistance. Make sure you have all relevant job documentation available.

**EMCCW11E**

*Rmt device of dev#:dev# will be R22, not supported*

**Cause**
An #SC VOL command was issued with a CREATEPAIR, CASCRE, SWAP, or HSWAP action that would result in the creation of an R22 device. However, creation of R22 devices is not supported on the configured system. Consequently, the command has failed.

**Action**
Determine whether your configuration is licensed for R22 device support. If not, do not attempt to create such devices. Otherwise, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**EMCCW12E**

*Cascaded pair dev#:dev#:dev# not in ADD mode*

**Cause**
An #SC VOL command with a CREATEPAIR action was issued that would result in the creation of a cascaded (R21) device. However, the device that would become an R21 device is currently a non-diskless R1 of a pair that is not in ADCOPY_DISK mode. It is a requirement that an R21-R2 pair in which the R21 device is not diskless must be in ADCOPY_DISK mode, so the command has failed.

**Action**
Set the existing pair to ADCOPY-DISK mode by means of an #SC VOL command with an ADCOPY_DISK action. Then reissue the #SC VOL command with the CREATEPAIR action.

**EMCCW13E**

*R1 device dev# will be R21, ADCOPY_DISK required*

**Cause**
An #SC VOL command with a CREATEPAIR action was issued that would result in the creation of a cascaded (R21) device. However, each of the listed devices that would become an R21 device is currently a non-diskless R2 of an existing pair. It is a requirement that an R21-R2 pair in which the R21 device is not diskless must be in ADCOPY_DISK mode, but the ADCOPY_DISK option was not specified, so the command has failed.

**Action**
Reissue the #SC VOL command with the CREATEPAIR action specifying the ADCOPY_DISK option.
EMCCW14E

Local device dev# and remote device dev# both R1

Cause
An #SC VOL command was issued with an action which applies to devices forming a valid pair. However, it was determined during command validation that each of the listed local devices regards itself as an R1 on the applicable mirror and its partner on that mirror as an R2. Each corresponding remote device likewise regards itself as an R1 on the applicable mirror and its partner on that mirror as an R2. Thus, the devices do not form a valid pair, so the command has failed.

Action
Determine the reason that the listed devices are not properly paired. Depending on the action being attempted, it may be possible to accomplish the desired result by means of an appropriate half action (HSWAP, HMOVEPAIR, or HDELETEPAIR).

EMCCW15E

Local device dev# and remote device dev# both R2

Cause
An #SC VOL command was issued with an action which applies to devices forming a valid pair. However, it was determined during command validation that each of the listed local devices regards itself as an R2 on the applicable mirror and its partner on that mirror as an R1. Each corresponding remote device likewise regards itself as an R2 on the applicable mirror and its partner on that mirror as an R1. Thus, the devices do not form a valid pair, so the command has failed.

Action
Determine the reason that the listed devices are not properly paired. Depending on the action being attempted, it may be possible to accomplish the desired result by means of an appropriate half action (HSWAP, HMOVEPAIR, or HDELETEPAIR).

EMCCW16E

Local device dev# has invalid tracks

Cause
An #SC VOL command was issued with a dynamic SRDF action, and the indicated device is within the device range specified. However, the device has invalid tracks and the FORCE option was not specified, and the specified action cannot be performed on a device with a non-zero invalid track count unless the FORCE option is specified. Consequently, the command has failed for the specified device.

Action
Reissue the command specifying the FORCE option.
**EMCCW17E**

Remote device of dev#:dev# has invalid tracks

**Cause**
An #SC VOL command was issued with a dynamic SRDF action, and the indicated device pair is within the device range specified. However, the remote device of the pair has invalid tracks and the FORCE option was not specified, and the specified action cannot be applied to a device with a non-zero invalid track count unless the FORCE option is specified. Consequently, the command has failed for the specified device.

**Action**
Reissue the command specifying the FORCE option.

**EMCCW18E**

R1 device dev# not suspended

**Cause**
An #SC VOL command was issued with a HDELETEPAIR, HMOVEPAIR, or HSWAP action, and the indicated device is within the device range specified. However, the device is an R1 and not suspended, which is required for the action to proceed. Consequently, the command has failed for the specified device.

**Action**
Reissue the command after suspending the device via the RDF_SUSP action.

**EMCCW19E**

Lcl dev dev# needs concurrent, unavailable

**Cause**
An #SC VOL command was issued with a CREATEPAIR, and the indicated device is within the device range specified. However, the device already has a remote mirror and resides on a storage system on which the Concurrent SRDF feature is unavailable. Consequently, the command has failed for the specified device.

**Action**
Do not attempt to create concurrent devices on a storage system on which the Concurrent SRDF feature is unavailable. If you believe this message was issued in error, use the #SQ CNFG command for the storage system to determine whether the feature is present. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
EMCCW1AE

CREATEPAIR denied, SRDF/A active in RDF group xx

**Cause**
An #SC VOL command was issued for a CREATEPAIR action. However, during command validation it was found that SRDF/A is active on the specified SRDF group in which the pair will be created. Creating a new device pair in an SRDF group with SRDF/A active requires either that tolerance mode be on for the SRDF group or that the CEXMPT option be specified in the command. However, neither of these requirements was met. Consequently, the command has failed.

**Action**
If appropriate, set tolerance mode on for the SRDF/A session by means of the #SC SRDFA command with the TOL_ON action. Otherwise, you may specify the CEXMPT option in the #SC VOL command.

EMCCW1BE

R22 device dev# not validated, cannot be activated

**Cause**
An #SC VOL command was issued for an action whose completion involves the resumption of SRDF activity of a device pair. However, the secondary device of the pair is an R22 for which the R2 mirror participating in the action is inactive. Validation of the R22 to ensure the existence of a unique R11 source device for both R2 mirrors has failed. Consequently, activation of the participating R2 mirror cannot take place, and the command fails for the indicated device.

**Action**
Configure the R22 so that validation will succeed. Validation of R22 devices is described in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide. Once this has been done, reissue the command.

EMCCW1CE

Lock not available for local device

**Cause**
An #SC VOL command was issued for a dynamic SRDF action, and validation has completed successfully. However, during device locking prior to perform the action, a lock for a local device to be affected by the action was unavailable. Consequently, the command has failed.

**Action**
Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
EMCCW1DE

Lock not available for remote device

**Cause**

An #SC VOL command was issued for a dynamic SRDF action, and validation has completed successfully. However, during device locking prior to perform the action, a lock for a remote device to be affected by the action was unavailable. Consequently, the command has failed.

**Action**

Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

EMCCW1EE

TF/SNAP lock query failed, data xxxxxxxx

**Cause**

An #SC VOL command was issued with a dynamic SRDF action, for which device locks must be verified as available, obtained, and verified prior to processing the requested action. However, attempts to verify that the device locks are available or that device locks were successfully obtained for all eligible devices have been unsuccessful. Consequently, the command has failed.

**Action**

Reissue the failing command. If the command fails with this same error after repeated attempts, contact the Dell EMC Customer Support Center for technical assistance, providing the data found in the message.

EMCCW1FE

TF/SNAP lock free failed

**Cause**

An #SC VOL command was issued with a dynamic SRDF action, for which device locks must be obtained and verified prior to processing the requested action and freed once the action has completed (successfully or unsuccessfully). However, attempts to free one or more device locks that were successfully obtained earlier have been unsuccessful. This message does not indicate that the command has failed.

**Action**

No action is needed with regard to the current command. If subsequent commands fail due to inability to obtain a device lock, however, it may be necessary to contact the Dell EMC Customer Support Center for technical assistance in freeing one or more device locks.
EMCCW20E

Rmt dev of dev#:dev# needs concurrent, unavailable

**Cause**
An #SC VOL command was issued with a CREATEPAIR action, and the indicated device pair is within the device range specified. However, the remote device of the pair to be created already has a remote mirror and resides on a storage system on which the Concurrent SRDF feature is unavailable. Consequently, the command has failed for the specified device.

**Action**
Do not attempt to create concurrent devices on a storage systems on which the Concurrent SRDF feature is unavailable. If you believe this message was issued in error, use the SQ CNFG command for the storage system in question to determine whether the feature is present. If necessary, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

EMCCW21E

Path invalid or link down

**Cause**
An #SC VOL command was issued with a dynamic SRDF or composite action. During command processing, access to the local or remote storage system was found to be unavailable. This may have been caused by specification of an invalid hop list in the command or by unavailability of a link. In either case, the path to the required storage system cannot be traversed, so the command fails.

**Action**
Verify the hop list specified in the failing command, group by group, to ensure that the hop list is valid. Issue #SQ LINK commands to determine availability of remote links. Issue #SQ RDFGRP commands to ensure that the groups specified in the hop list are online. If necessary, contact the Dell EMC Customer Support Center for technical assistance.

EMCCW22E

xxx group xx is [Star|SQAR], NOCOPY option is NO

**Cause**
An #SC VOL command was issued with a CREATEPAIR action. The SRDF group specified for the CREATEPAIR is a group on which SRDF/Star or SRDF/SQAR is active. However, the initialization parameter ALLOW_CRPAIR_NOCOPY is set to NO, so the command has failed.

**Action**
If appropriate, specify the value YES for the ALLOW_CRPAIR_NOCOPY initialization parameter, refresh the parameters, and reissue the command. Alternatively, you can
deactivate SRDF/Star or SRDF/SQAR on the indicated SRDF group and reissue the command.

**EMCCW23E**

[Lcl | Rmt ] group xx not [Star|SQAR], NOCOPY not YES

**Cause**
An #SC VOL command was issued with the CREATEPAIR action specifying the NOCOPY option. However, the SRDF group in which new device pairs will be created is not a Star or SQAR SRDF group, and consequently the NOCOPY option is valid only when the ALLOW_CRPAIR_NOCOPY initialization parameter is set to YES. Since this is not the case, the command has failed.

**Action**
Reissue the command after either doing one of the following:

- Remove the NOCOPY option from the command, specifying ALLOW_CRPAIR_NOCOPY=YES in the Host Component initialization parameters and performing a parameter refresh action, specifying a different SRDF group in the command on which SRDF/Star or SRDF/SQAR is active.
- Activate SRDF/Star or SRDF/SQAR on the SRDF group that was specified.

**EMCCW24E**

xxx group xx is STAR/STAR-A/SQAR, option not specified

**Cause**
An #SC VOL command was issued with the CREATEPAIR or DELETEPAIR action. However, the SRDF group in which new device pairs will be created or deleted is a STAR, STAR-A, or SQAR SRDF group but the STAR, STAR-A, or SQAR option was not specified. Consequently the command has failed.

**Action**
Reissue the command after either specifying STAR, STAR-A, or SQAR for the option in the command, specifying a different SRDF group on which SRDF/Star, SRDF/STAR-A, or SRDF/SQAR is not active, or deactivating SRDF/STAR SRDF/STAR-A, or SRDF/SQAR on the SRDF group that was specified.

**EMCCW25E**

[Lcl|Rmt] grp xx not [Star|SQAR] recovery, DIFFERENTIAL invalid

**Cause**
An #SC VOL command was issued with the CREATEPAIR action and the DIFFERENTIAL option was specified. However, the SRDF group in which new device pairs will be created is not a Star or SQAR recovery SRDF group, and the DIFFERENTIAL option applies only to such SRDF groups. Consequently the command has failed.
Action
Reissue the command after either removing the DIFFERENTIAL option from the command or specifying a different SRDF group which is a Star or SQAR recovery group.

EMCCW26E

Range end dev dev# beyond max on symmetrix-serial#

Cause
An #SC VOL command was issued for a CASCRE or CREATEPAIR action. However, during command validation, it was determined that the local or remote device range (or for the CASCRE action, the far device range) included one or more device numbers which exceeded the highest device number on one of the participating storage systems. This situation would result in the attempted pairing of non-existent devices. Consequently, the command has failed.

The device number in the message is the highest in the range specified in or implied by the command parameters, and the storage system serial number is that of the storage system on which the indicated device number was found not to be defined.

Action
Ensure that the gatekeeper and SRDF groups specified in the command are correct. If so, determine the range of devices genmed on the storage systems participating in the command, and adjust the device numbers specified in the command accordingly.

EMCCW27E

Cannot ascertain SRDF/A status for RDF group xx

Cause
An #SC VOL action was entered in which an SRDF group was specified. Validation of the action requires determining whether SRDF/A is active on the specified SRDF group, and if so, the status of SRDF/A session attributes. However, SRDF/A status on the SRDF group could not be determined, so the action has failed.

Action
Using the #SQ RDFGRP and #SQ SRDFA commands, determine whether any unusual conditions are present. If so, attempt to resolve the problem and reissue the command. If unable to resolve the problem, contact the Dell EMC Customer Support Center.

EMCCW28E

No eligible device triplets found

Cause
An #SC VOL command was issued for a composite action which acts on cascaded device triplets. However, no device triplets were found that met eligibility requirements for the action. Messages are issued indicating the reasons for which individual devices or device triplets were deemed ineligible for the action.
Action
Examine the messages giving the reasons for device ineligibility and follow the actions for each such message as appropriate.

EMCCW29E

Local device dev# not an RDF device

Cause
An #SC VOL command was issued with a dynamic SRDF action other than CREATEPAIR or CASCRE, that is, an action which applies to device pairs or cascaded device triplets. However, the indicated device is not paired with another device, and consequently is ineligible for the action. The action has failed.

Action
Do not issue the command against unpaired devices.

EMCCW2AE

Device dev# in offline or undefined RDF group xx

Cause
An #SC VOL command was issued. However, during command validation, it was determined that the SRDF group of the device mirror on which the command will act is either offline or undefined. Since the SRDF group state does not meet the applicable requirement, the command has failed for the indicated device.

Note
For dynamic SRDF actions that are half actions, it is permitted for the SRDF group of interest to be offline, but for all other actions the SRDF group must be both defined and online.

Action
Ensure that the SRDF group has been specified correctly in the command. If so, examine the SRDF group state by issuing the #SQ RDFGRP command. If the SRDF group is offline, determine the state of the remote link directors associated with the SRDF group. Once having brought the SRDF group online, reissue the command.

EMCCW2BE

RESUMEPAIR denied, SRDF/A active in RDF group xx

Cause
An #SC VOL command was issued for a RESUMEPAIR action. However, during command validation it was found that SRDF/A is active on the specified SRDF group from which the RESUMEPAIR action was issued. Issuing a RESUMEPAIR action on an SRDF group with SRDF/A active is not allowed. Consequently, the command has failed.
Action
If appropriate, deactivate SRDFA on the SRDF group and reissue the RESUMEPAIR.

EMCCW2CE

Lcl R21 dev# remote mirrors on same Symm

Cause
An #SC VOL command was issued with a SWAP, HSWAP, or CREATEPAIR action. However, during command validation, it was determined that the command would result in creation of an R21, both of whose remote mirrors would reside on the same storage system. This loopback condition is not permitted. Consequently, the command has failed.

Action
Do not attempt to configure an R21 in this way.

EMCCW2DE

Rmt R21 of dev#:dev# remote mirrors on same Symm

Cause
An #SC VOL command was issued with a SWAP, HSWAP or CREATEPAIR action. However, during command validation, it was determined that the command would result in the creation of an R21, both of whose remote mirrors would reside on the same storage system. This loopback condition is not permitted. Consequently, the command has failed.

Action
Do not attempt to configure an R21 in this way.

EMCCW2EE

R21 device dev# valid in Env 1 only

Cause
An #SC VOL command was issued with a composite (CASxxxx) action specified. However, a device which is remote in environment 1 and local in environment 2 has failed validation in environment 2. Consequently, the command has failed for the specified device.

An example of a situation that could cause this error is a CASDEL action in which the remote partner of a local device in the range is not a cascaded device.

Action
Determine and correct the reason for the inconsistency. Then reissue the command, if still desired.
**EMCCW2FE**

R21 device dev# valid in Env 2 only

**Cause**
An #SC VOL command was issued with a composite (CASxxxx) action specified. However, a device which is remote in environment 1 and local in environment 2 has failed validation in environment 1. Consequently, the command has failed for the specified device.

An example of a situation that could cause this error is a CASCRE action in which a device in the local range is already an SRDF device (that is, already has a remote mirror).

**Action**
Determine and correct the reason for the inconsistency. Then reissue the command, if still desired.

**EMCCW30E**

Rmt dev of dev#:dev# not an RDF device

**Cause**
An #SC VOL command was issued with a dynamic SRDF action other than CREATEPAIR or CASCRE; that is, an action which applies to existing device pairs or cascaded device triplets. However, the indicated device is not paired with another device, and consequently is ineligible for the action. The action has failed.

**Action**
Do not issue the command against unpaired devices.

**EMCCW31E**

Invalid hop list xxxxxxxxxxxxxxxxxxx specified

**Cause**
A dynamic SRDF request passed to the API via a program interface includes a hop list that is incompatible with other parameters in one of the following ways:

- a hop list that purports to represent a remote storage system is actually a local hop list, starting with x'FF'.
- a hop list that represents a path to a local storage system includes eight hops, precluding generation of a hop list to the remote storage system.

As a result, processing cannot proceed, and the command fails.

**Action**
Contact the Dell EMC Customer Support Center for technical assistance, providing whatever diagnostic output is available.
**EMCCW32E**

Specified group xx does not match existing mirror

**Cause**
An #SC VOL command was issued specifying the LCL or RMT parameter and a dynamic SRDF action other than CREATEPAIR or CASCRE, that is, an action which applies to existing device pairs or cascaded device triplets. However, the indicated device does not have a remote mirror in the SRDF group specified or defaulted to in the LCL or RMT parameter, and consequently is ineligible for the action. The action has failed.

**Action**
Do not issue the command against unpaired devices.

**EMCCW33E**

Local device dev# not dynamic {R1 | R2}

**Cause**
An #SC VOL command was issued with a dynamic SRDF action, and the indicated device is within the device range specified. However, that device is not capable of assuming the indicated R1 or R2 personality, which is required for the action. Consequently, the command has failed for the specified device.

**Action**
Do not issue the command against devices incapable of assuming the required SRDF personality.

**EMCCW34E**

Rmt dev of pair dev#:dev# not dynamic {R1 | R2}

**Cause**
An #SC VOL command was issued with a dynamic SRDF action, and the indicated device pair is within the device range specified. However, the remote device of the pair indicated is not capable of assuming the indicated R1 or R2 personality, which is required for the action. Consequently, the command has failed for the specified device.

**Action**
Do not issue the command against devices incapable of assuming the required SRDF personality.

**EMCCW35E**

Local device dev# in use by LDMF
Cause
An #SC VOL command was issued with a dynamic SRDF action, and the indicated
device is within the device range specified. However, that device is currently in use by
z/OS Migrator (LDMF), during which the device's SRDF personality may not be
changed. Consequently, the command has failed for the specified device. The
indicated device is local in the action (or action environment, for composite actions).

Action
Wait until z/OS Migrator is no longer using the device. Then reissue the command.

EMCCW36E

Remote device of dev#:dev# in use by LDMF

Cause
An #SC VOL command was issued with a dynamic SRDF action, and the indicated
remote device is within the device range specified. However, that device is currently
in use by z/OS Migrator (LDMF), and the device's SRDF personality may not be
changed while that is the case. Consequently, the command has failed. The device
caus ing the error is the remote device of the indicated device pair.

Action
Wait until z/OS Migrator is no longer using the device. Then reissue the command.

EMCCW37E

Lcl/Rmt devices dev# and dev# sizes differ

Cause
An #SC VOL command was issued with a SWAP, CASSWAP, CREATEPAIR, or
CASCRE action. However, the local and remote device sizes are not the same. The
following rules apply regarding device sizes for these actions. If one or more of these
rules is violated by the command, the command will fail for the specified device:

1. If the action is SWAP, different R1 and R2 device sizes are never allowed.
2. If the action is CASSWAP, the R1, R21, and R2 devices must all be equal.
3. If the action is CREATEPAIR, the device that will become R1 may never be larger
   than the device that will become R2. Moreover, if the ADSRDF option has not
   been specified in the command, different R1 and R2 device sizes are not allowed.
4. If the action is CASCRE, the device that will become R1 may never be larger than
   the device that will become R21, and the device that will become R21 may never be
   larger than the device that will become R2. Moreover, if the ADSRDF option has
   not been specified in the command, or if the device to become R21 is diskless, the
   sizes of the three devices must be the same.

Action
If a CREATEPAIR action was requested for an R2 device larger than the R1 device but
the ADSRDF option was not specified, reissue the command specifying the ADSRDF
option.
**EMCCW38E**

Local device dev# already RDF in group xx

**Cause**
An #SC VOL command was issued with a CREATEPAIR action. However, the indicated local device already has a remote mirror in the SRDF group specified in the command (either subparameter 2 of the LCL parameter or the specified or default subparameter 3 of the RMT parameter). A device may have no more than one remote mirror in a specific SRDF group. Consequently, the command has failed for the specified device.

**Action**
If the SRDF group specified in the command is incorrect, reissue the command with the corrected SRDF group number. Otherwise, examine the device configuration to determine why the conflict exists.

**EMCCW39E**

Rmt dev of dev#1:dev#2 already RDF in group xx

**Cause**
An #SC VOL command was issued with a CASCRE or CREATEPAIR action. However, the remote device indicated by dev#2 already has a remote mirror in the other-side SRDF group of the SRDF group specified in the command (subparameter 2 of the LCL parameter, or the specified or default subparameter 3 of the RMT parameter). A device may have no more than one remote mirror in a specific SRDF group. Consequently, the command has failed for the specified device.

**Action**
If the SRDF group specified in the command is incorrect, reissue the command with the corrected SRDF group number. Otherwise, examine the device configuration to determine why the conflict exists.

**EMCCW3AE**

FBA Meta device has generated run overflow

**Cause**
An #SC VOL command was issued with a dynamic SRDF action and the device range includes one or more FBA meta devices. An FBA meta device has more members than could be processed in a single syscall. Consequently, the action cannot be processed for this device.

**Action**
Contact the Dell EMC Customer Support Center for instructions on obtaining diagnostic information regarding this problem. Make sure you have all relevant job documentation available.
EMCCW3BE

Device(s) did not change to expected state

Cause
An #SC VOL command was issued with a dynamic SRDF action. Following the corresponding syscall, each device is checked to verify that the device state is now as intended. However, one or more devices were found not to be in the intended state. Consequently, the command is considered to have failed. Under certain circumstances, backout of devices that had been processed successfully prior to detection of the error will take place.

Action
Contact the Dell EMC Customer Support Center for instructions on obtaining diagnostic information regarding this problem. Make sure you have all relevant job documentation available.

EMCCW3CE

variable text explanation

or

SYSCALL xxxx error yyyyyyy

Cause
An error occurred during dynamic SRDF API processing. Numerous reasons for the error are possible, including a hardware malfunction, a configuration error, a change in device state during command processing, or a software error. The message will either be an explanation generated based on internal syscall or inlines return codes, or the raw syscall/inlines error code if the software was unable to make an exact determination.

This message can be followed by message EMCCW3CI that provides more details on the error.

Action
Contact Dell EMC Customer Support for instructions on how to obtain additional diagnostic information that can be used to diagnose and correct the problem. Be prepared to provide software release levels, operating environment levels, the command entered, and all command output generated.

EMCCW3CI

error-text

Cause
An error occurred requesting Symmetrix services through the syscall interface. The error translation routine was able to recognize the return code. The error-text indicates the cause of the error.
Action
Check the state of the device as indicated in the error-text.

**EMCCW3DE**

Error checking device status after inline

**Cause**
An #SC VOL command was issued with a CREATEPAIR or CASCRE dynamic SRDF action. Although device pairs were successfully created, and one or more inline commands were issued to perform device synchronization as required, the program was unable to determine whether the inline commands were successful.

**Action**
Examine messages to determine if processing was successful for any devices. Query the status of any devices that are listed as eligible but not as having been processed successfully. If you cannot complete processing by issuing further commands, contact Dell EMC Customer Support for instructions on obtaining diagnostic output to help resolve the problem. Be prepared to provide software release levels, operating environment levels, the command entered, and all command output generated.

**EMCCW3EE**

FMLM lock not available for local device: dev#

**Cause**
An #SC VOL command was issued with a dynamic SRDF action. Validation was successful, but when attempting to lock local devices in advance of processing the action, it was determined that one of the devices is in use by a migration process. Since the SRDF state of such a device may not be changed, the action fails.

**Action**
Wait for migration processing to complete and retry the command.

**EMCCW3FE**

FMLM lock not available for remote device: dev#

**Cause**
An #SC VOL command was issued with a dynamic SRDF action. Validation was successful, but when attempting to lock remote devices in advance of processing the action, it was determined that one of the devices is in use by a migration process. Since the SRDF state of such a device may not be changed, the action fails.

**Action**
Wait for migration processing to complete and retry the command.
EMCCW40E

**R1 of dev#1:dev#2 not TNR, KEEPR2 requested**

**Cause**
An #SC VOL command was entered with the CREATEPAIR or CASCRE action and the KEEPR2 option was specified. However, the local device indicated by dev# is in the device range and is already the R1 device of an existing device pair which is not suspended. The KEEPR2 option is not valid in this situation, so the command has failed.

**Action**
Issue an #SC VOL command to the R1 device of the existing pair with the RDF_SUSP action to suspend the existing pair. Then reissue the command that failed.

EMCCW41E

**R1 of dev#1:dev#2 not TNR, KEEPR2 requested**

**Cause**
An #SC VOL command was entered with the CREATEPAIR or CASCRE action and the KEEPR2 option was specified. However, the remote device indicated by dev#2 is in the device range and is already the R1 device of an existing device pair which is not suspended. The KEEPR2 option is not valid in this situation, so the command has failed.

**Action**
Issue an #SC VOL command to the R1 device of the existing pair with the RDF_SUSP action to suspend the existing pair. Then reissue the command that failed.

EMCCW42E

**Group not specified for concurrent R1 xxxx**

**Cause**
An #SC VOL command was issued with a dynamic SRDF action which acts on R1 devices, and the indicated device is within the device range specified. However, the device has two R1 remote mirrors, and no SRDF group was specified in the command that would allow determination of the remote mirror to act upon. Consequently, the command has failed for the specified device.

**Action**
Reissue the command specifying the LCL parameter with the SRDF group of the device on which the command should act.

EMCCW43E

**Dynamic RDF unsupported on {Lcl|Rmt} Symm xxxxxxxxxxxxxx**
Cause
An #SC VOL command was issued with a dynamic SRDF action. However, one or more devices that will be affected by the action reside on the indicated storage system, which does not support dynamic SRDF. Consequently, the command has failed.

Action
Do not attempt to perform dynamic SRDF actions on devices residing on a storage system not supporting them. Verify that the gatekeeper or an SRDF group number has been correctly specified in the command. Otherwise, if the dynamic SRDF feature is a licensed feature on the storage system in question, consider acquiring a license for the dynamic SRDF feature on that storage system. If the dynamic SRDF feature is unavailable on the storage system, consider an alternate configuration that will allow needed dynamic SRDF functions.

EMCCW44E

No free mirror position for Lcl dev dev#

Cause
An #SC VOL command was issued with a CASCRE or CREATEPAIR action. However, the local device indicated by dev# already has two remote mirrors, and the action requires an unused remote mirror position. Since a device may have no more than two remote mirrors, the command has failed for the specified device.

Action
Do not attempt to create a device pair specifying a device that already has two remote mirrors in use. Investigate the possibility that the gatekeeper or an SRDF group number has been specified incorrectly in the command.

EMCCW45E

No free mirror position for Rmt dev of dev#1:dev#2

Cause
An #SC VOL command was issued with a CASCRE or CREATEPAIR action. However, the remote device indicated by dev#2 already has two remote mirrors, and the action requires an unused remote mirror position. Since a device may have no more than two remote mirrors, the command has failed for the specified device.

Action
Do not attempt to create a device pair specifying a device that already has two remote mirrors in use. Investigate the possibility that the gatekeeper or an SRDF group number has been specified incorrectly in the command.

EMCCW46E

RDF device pair dev#:dev# not suspended
Causes:
An \#SC VOL command was issued with a dynamic SRDF action requiring device pairs that will be affected by the action to be suspended. However, the indicated device pair is not suspended. Consequently, the command has failed.

Actions:
Issue an \#SC VOL command with the RDF\_SUSP action to suspend SRDF activity on the device pair. Then reissue the command that failed.

**EMCCW47E**

Local device dev\# not dynamic

Causes:
An \#SC VOL command was issued with a dynamic SRDF action that will affect the local device indicated. However, that device is not enabled for dynamic SRDF. Consequently, the command has failed for the indicated device.

Actions:
Do not attempt dynamic SRDF actions against devices not enabled for dynamic SRDF. Verify that the correct gatekeeper or SRDF group has been specified in the command. Alternatively, investigate the possibility that the storage system on which the device resides has been incorrectly configured. When the problem has been resolved, reissue the failing command.

**EMCCW48E**

Rmt dev of dev\#1:dev\#2 not dynamic

Causes:
An \#SC VOL command was issued with a dynamic SRDF action that will affect the remote device indicated by dev\#2. However, that device is not enabled for dynamic SRDF. Consequently, the command has failed for the indicated device.

Actions:
Do not attempt dynamic SRDF actions against devices not enabled for dynamic SRDF. Verify that the correct gatekeeper or SRDF group has been specified in the command. Alternatively, investigate the possibility that the storage system on which the device resides has been incorrectly configured. When the problem has been resolved, reissue the failing command.

**EMCCW49E**

RDF group xx offline or undefined

Causes:
An \#SC VOL command was issued with a dynamic SRDF action that requires remote device access via the SRDF group indicated by xx. However, that SRDF group is either undefined or offline. Consequently, the command has failed.
**EMCCW4AE**

**CREATEPAIR: NOCOPY, DIFFERENTIAL mutually exclusive**

**Cause**
An #SC VOL command with the CREATEPAIR or CASCRE action was issued, and both the NOCOPY and DIFFERENTIAL options were specified. However, these options are inconsistent and may not be specified together. Consequently, the request fails.

**Action**
Determine whether no synchronization is required or whether only synchronization of changed tracks is required, and specify the appropriate option accordingly.

**EMCCW4BE**

**Diskless dev#:dev#, SRDF/A xx, denied**

**Cause**
An #SC VOL command with the CREATEPAIR or MOVEPAIR action was issued. The action was unsuccessful for the pair indicated in the message. Depending upon the command, the local device may be a diskless device (if LCLISR1 was specified or defaulted) or a diskless R1 device in a pair whose SRDF group is to be changed. Alternatively, the remote device may be a diskless device being paired (if LCLISR2 was specified) or a diskless R1 device whose SRDF group is to be changed. In either case, there is an active SRDF/A session on the target SRDF group of the action, and this SRDF/A session has non-diskless devices. The action would thus result in an SRDF/A session with both diskless and non-diskless device, which is not permitted. Consequently, the action has failed.

**Action**
Check that the correct gatekeeper, RSDF group, and devices were specified in the command. If all parameters are correct, examine your configuration and select an appropriate course of action, bearing in mind the non-mixed device requirement of SRDF/A and your SRDF group composition requirements.

**EMCCW4CE**

**Non-diskless dev#:dev#, SRDF/A xx, denied**

**Cause**
An #SC VOL command with the CREATEPAIR or MOVEPAIR action was issued. The action was unsuccessful for the pair indicated in the message. Depending upon the command, the local device may be a non-diskless device (if LCLISR1 was specified or defaulted) or a non-diskless R1 device in a pair whose SRDF group is to be changed.
Alternatively, the remote device may be a non-diskless device being paired (if LCLISR2 was specified) or a non-diskless R1 device whose SRDF group is to be changed. In either case, there is an active SRDF/A session on the target SRDF group of the action, and this SRDF/A session has diskless devices. The action would thus result in an SRDF/A session with both diskless and non-diskless device, which is not permitted. Consequently, the action has failed.

Action
Check that the correct gatekeeper, SRDF group, and devices were specified in the command. If all parameters are correct, examine your configuration and select an appropriate course of action, bearing in mind the non-mixed device requirement of SRDF/A and your SRDF group composition requirements.

EMCCW4DE

Rmt Symm mismatch for xxxxxxxxxx, do SCF refresh

Cause
An #SC VOL command requiring discovery of a remote device of a device pair was issued. While attempting discovery of the remote storage system whose serial number is xxxxxxxxxx, an unexpected remote storage system was discovered instead, indicating that SCF was not refreshed following an SRDF group reconfiguration. Consequently, the command has failed.

Action
Perform an SCF refresh via the command: F scfname,INI,REFRESH.

EMCCW4EE

No XXXXX ELM on sssssssssss, rcrs nnnnnnnn

Cause
An #SC VOL command was issued with a dynamic SRDF action. Validation was successful, but it was determined that processing the command requires the presence of a feature (XXXX) which is not licensed for your site or on the storage system sssssssssss indicated in the message. Consequently, the command fails and the reason code nnnnnnnn is issued.

Action
These reason codes may be issued when at attempt was made to access an unlicensed feature:

- 44 : ACCESS TO FEATURE CODE IS DENIED.
- 4A : DEPENDENCY CHECK FAILED. FOR CU PROCESSING A FEATURE'S DEPENDENT WAS DISABLED. DEPENDENT FEATURE IS IN KFIDEFPET.

This reason code is issued when a timeout has occurred. Issue the command again for processing.

- 62 : UNABLE TO OBTAIN THE STORAGE CHAIN LOCK. FEATURE AUTHORIZATION COULD NOT BE DETERMINED.

If you receive any other code, contact the Dell EMC Customer Support Center for technical assistance.
EMCCW50E

Invalid RDF group xx specified

**Cause**
An #SC VOL command was issued with a dynamic SRDF action that requires remote device access via the SRDF group indicated by xx. However, remote access via that SRDF group is not available, either because the SRDF group number exceeds the maximum allowed for a storage system or because connectivity to a remote storage system could not be established. Consequently, the command has failed.

**Action**
Determine the status of the SRDF group by issuing command #SQ RDFGRP. Determine whether the remote link directors associated with the SRDF group are physically or logically disconnected with the remote storage system. When the problem has been resolved, reissue the failing command.

EMCCW51E

Active TimeFinder dataset on {Lcl | Rmt} device

**Cause**
An #SC VOL command was entered with a dynamic SRDF action. However, the command could not be processed for the device because TimeFinder is processing a dataset on the device.

**Action**
Wait until TimeFinder has finished processing. Then reissue the command that failed.

EMCCW52E

Lcl device dev#, Rmt device dev# not FBA

**Cause**
An #SC VOL command was issued with a CASCRE or CREATEPAIR action, and during validation an attempt to pair an FBA meta device with a device that is not an FBA meta device was detected. Such a pairing is not allowed, so the command has failed for the specified device.

**Action**
Do not attempt to create a device pair consisting of an FBA meta device and a device with a different emulation type.

EMCCW53E

Lcl device dev# not FBA, Rmt device dev# FBA
**Cause**

An #SC VOL command was issued with a CASCRE or CREATEPAIR action, and during validation an attempt to pair an FBA meta device with a device that is not an FBA meta device was detected. Such a pairing is not allowed, so the command has failed for the specified device.

**Action**

Do not attempt to create a device pair consisting of an FBA meta device and a device with a different emulation type.

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**EMCCW54E**

R2-to-be dev# smaller than R1-to-be dev#

**Cause**

An #SC VOL command was issued with a CASCRE or CREATEPAIR action which would result in the pairing of the indicated devices. However, the device that would become the secondary device in the pairing is smaller than the device that would become the primary device in the pairing. Such device pairs are prohibited, so the command has failed.

**Action**

Do not attempt to create a device pairs in which the secondary device size is less than the primary device size.

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**EMCCW55E**

R1-to-be dev# smaller than R2-to-be dev#

**Cause**

An #SC VOL command was issued with a CASCRE or CREATEPAIR action which would result in the pairing of the indicated devices. However, the device that would become the primary device in the pairing is smaller than the device that would become the secondary device in the pairing, and the ADSRDF option was not specified in the command. Only equal-sized devices may be paired in this situation, so the command has failed.

**Action**

If the device pairing must take place, reissue the command specifying the ADSRDF option.

---

**EMCCW56E**

No eligible devices found

**Cause**

An #SC VOL command was issued. After phase 1 filtering, no devices remained to be processed. Other messages will have been issued indicating the reasons devices within the range specified in the command were deemed eligible. Note that certain device types may automatically be excluded from processing without messages being issued.
Action
Examine the messages to determine whether the command excluded devices you wish to process. If appropriate, take corrective action for these devices or modify the command as required.

EMCCW57E

Invalid \{Lcl | Rmt\} device dev\# in range

Cause
An \#SC VOL command was issued with a CREATEPAIR or CASCRE action. The command specifies a local device range and a remote starting device number. Either one of the local devices in the local range or one of the remote devices in the implied remote range is not a valid device. Devices may be invalid because they are vault devices, null devices, or other devices that are not eligible for SRDF processing. Such devices may not be used to form device pairs. Consequently, the action fails.

Action
Query the devices in the local and remote range. Modify the entered command to remove null devices, and issue the modified command.

EMCCW58E

Rmt dev of dev#:dev# no mirr in RDF grp xx

Cause
An \#SC VOL command was issued with a dynamic SRDF action which operates only on valid device pairs. To comply with the reciprocity requirements needed to validate a device pair, each device must have a remote mirror matching a remote mirror of the other device in both device number and SRDF group number. Since reciprocity requirements are not satisfied for the indicated devices, a valid device pair does not exist. Consequently, the command has failed for the specified devices.

Action
Investigate the possibility that an HMOVEPAIR or HDELETEPAIR action has been performed against one of the devices, destroying the paired relationship of the devices. Also verify that the gatekeeper or SRDF group number has been specified correctly in the command.

EMCCW59E

Local device dev\# must be R1

Cause
An \#SC VOL command was issued with a dynamic SRDF action which operates only on or through local R1 devices. However, a local device in the range was not an R1 device. Consequently, the command has failed for the specified device.

Action
Do not issue the command against local devices that are not R1 devices.
EMCCW5AE

Lcl device dev# has write pendings

Cause
An #SC VOL command was issued with an action that cannot be performed on a device if write pendings exist for the device. Write pendings may eventually be converted to invalid tracks, at which time the FORCE option can be used to cause the invalid tracks to be disregarded and the action processed. However, until there are no write pendings remaining for the device indicated, the action is disallowed.

Action
Reissue the command. If the write pendings persist, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCCW5BE

Rmt device of dev#:dev# has write pendings

Cause
An #SC VOL command was issued with an action that cannot be performed on a device if write pendings exist for the device. Write pendings may eventually be converted to invalid tracks, at which time the FORCE option can be used to cause the invalid tracks to be disregarded and the action processed. However, until there are no write pendings remaining for the device indicated, the action is disallowed.

Action
Reissue the command. If the write pendings persist, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCCW5CE

R2 device of dev#:dev# is write-enabled

Cause
An #SC VOL command was issued with the CASRSUM action. However, the R2 device of the pair being resumed is write-enabled (R/W state). This prevents the partner R1 device from being resumed, so the action fails with a validation error.

Action
If desired, you may set the device to a write-disabled state by issuing an #SC VOL command with the R/O action. Then reissue the original command.

EMCCW5DE

Resume denied, Lcl dev dev# diskless
**Cause**
An `#SC VOL` command was issued with a non-composite resume action. The indicated local device is diskless, but this is not allowed for non-composite actions unless the RCVRY option is specified. As that is not the case, the action has failed.

**Action**
If appropriate, specify the RCVRY option and issue the modified command.

---

**EMCCW5EE**

*Suspend denied, Lcl dev dev# diskless*

**Cause**
An `#SC VOL` command was issued with a non-composite suspend action. The indicated local device is diskless, but this is not allowed for non-composite actions unless the RCVRY option is specified. As that is not the case, the action has failed.

**Action**
If appropriate, specify the RCVRY option and issue the modified command.

---

**EMCCW5FE**

*CUU to Symm dev run conversion error=xxxxxxxx*

**Cause**
An internal error. An SRDF Host Component command was issued with a CUU (z/OS device number) range but the parameter list to the API could not be validated. In the message, `xxxxxxxx` indicates the reason for the error:

- 0000001 - The eyecatcher or the version number in the 1st run was not valid.
- 0000002 - There were no runs supplied with the request.
- 0000003 - The run length was bad.
- 0000004 - The eyecatcher in one or more subsequent runs was not valid.
- 0000005 - The start CUU was greater than the end CUU.
- 0000006 - A bad device count field was encountered in a run.
- 0000007 - A getmain failed in subpool 126.
- 0000008 - An error occurred building PowerMax/VMAX device number ranges.

**Action**
Retry the command. For reason code 0000007, try increasing the region size for the SRDF Host Component started task. If the error persists, collect the SRDF Host Component job log and the SCF trace information and contact EMC Technical Support for assistance.

---

**EMCCW60E**

*Local device dev# or mirror is SRDF/A*
Cause
An #SC VOL command was issued with a dynamic SRDF action which is incompatible with SRDF/A devices, but a local device in the range was found to belong to an SRDF group on which an active SRDF/A session exists. Consequently, the command has failed for the specified device.

Action
Do not issue the command against local devices that are part of a device pair in an active SRDF/A session.

EMCCW61E

Lcl dev dev# an FBA META head, Rmt dev dev# not

Cause
An #SC VOL command was issued with a CASCRE or CREATEPAIR action, and during validation there was an attempt to pair an FBA meta head with a device that is not an FBA meta head. Such a pairing is not allowed, so the command has failed for the specified device.

Action
Do not attempt to create a device pair consisting of an FBA meta head and a device having a different emulation type.

EMCCW62E

FBA META dev count mismatch, Lcl dev#, Rmt dev#

Cause
An #SC VOL command was issued with a CASCRE or CREATEPAIR action, and during validation there was an attempt to pair two FBA meta heads having different device counts in the respective FBA meta groups. Such a pairing is not allowed, so the command has failed for the specified device.

Action
Do not attempt to create a device pair consisting of FBA meta heads with different meta group device counts.

EMCCW63E

FBA META stripe size mismatch, Lcl dev#, Rmt dev#

Cause
An #SC VOL command was issued with a CASCRE or CREATEPAIR action, and during validation there was an attempt to pair two FBA meta heads indicating different stripe sizes in the respective FBA meta groups. Such a pairing is not allowed, so the command has failed for the specified device.

Action
Do not attempt to create a device pair consisting of FBA meta heads with different meta group stripe sizes.
EMCCW64E

FBA META member size mismatch, Lcl dev#, Rmt dev#

Cause
An #SC VOL command was issued with a CASCRE or CREATEPAIR action, and during validation there was an attempt to pair two FBA meta heads indicating different member sizes in the respective FBA meta groups. Such a pairing is not allowed, so the command has failed for the specified device.

Action
Do not attempt to create a device pair consisting of FBA meta heads with different meta member sizes.

EMCCW65E

Unable to set environment 2 device ranges

Cause
An #SC VOL command was issued with a composite action. During setup of environment 2, an error was encountered preventing determination of the device ranges to be processed. Consequently, the command has failed.

Action
Ensure that a DBUGDRDA DD statement is included in the SRDF Host Component JCL, and if the REXX interface is being used, include a DBUGDRDA dd statement in the batch JCL as well. After recreating the error, save both the job log and DBUGDRDA output from the SRDF Host Component started task, and if the REXX interface is being used, from the batch job as well. Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

EMCCW66E

Local device dev# in a ConGroup

Cause
An #SC VOL command was issued with an action that is not allowed for devices in an active consistency group. However, the indicated device, or one of its remote mirrors, does belong to an active consistency group, so the command has failed for the indicated device.

Action
Determine whether the continued operation of the consistency group to which the device belongs takes precedence over the need for the action and proceed accordingly.
EMCCW67E

Rmt dev of dev#:dev# is in a ConGroup

Cause
An #SC VOL command was issued with an action that is not allowed for devices in an active consistency group. However, the remote partner in the indicated device pair does belong to an active consistency group, so the command has failed for the indicated device pair.

Action
Determine whether the continued operation of the consistency group to which the device belongs takes precedence over the need for the action and proceed accordingly.

EMCCW68E

RDF-SUSP failed for dev# (xxxxxxxx) in CASSUSP

Cause
An #SC VOL command was issued with a CASSUSP action. The suspend action has failed. This message specifies the PowerMax/VMAX device number that encountered the error and the internal error code.

Action
If retrying the command is unsuccessful, contact the Dell EMC Customer Support Center for information on obtaining additional diagnostic output. Make sure you have the text of the message available.

EMCCW69E

RDF-RSUM failed for dev# (xxxxxxxx) in CASSUM

Cause
An #SC VOL command was issued with a CASRSUM action. The resume action has failed. This message specifies the PowerMax/VMAX device number that encountered the error and the internal error code.

Action
If retrying the command is unsuccessful, contact the Dell EMC Customer Support Center for information on obtaining additional diagnostic output. Make sure you have the text of the message available.

EMCCW6AE

RDF-SUSP error xxxxxxxxx
## EMCCW6BE

**RDF-RSUM error xxxxxxxxx**

**Cause**
An #SC VOL command was issued with a CASRSUM action. The resume action has failed due to an unexpected program condition. The error number indicates the point in processing at which the error was detected.

**Action**
Contact the Dell EMC Customer Support Center. Make sure you have the error number available. This is an internal error; you may be asked to obtain additional diagnostic output.

## EMCCW6CI

**Device dev# to be switched not R22**

**Cause**
An #SC VOL command was issued with the R22SWTCH action. However, the indicated device is not R22, so the R22SWTCH action does not apply to it. Consequently, the device has been skipped.

**Action**
None.

## EMCCW6DE

**Resume denied, Rmt of dev#:dev# diskless**

**Cause**
An #SC VOL command was issued with a non-composite resume action. The remote partner device of the indicated device pair is diskless, but this is not allowed for non-composite actions unless the RCVRY option is specified. As that is not the case, the action has failed.

**Action**
If appropriate, specify the RCVRY option and issue the modified command.
**EMCCW6EE**

Suspend denied, Rmt of dev#:dev# diskless

**Cause**
An #SC VOL command was issued with a non-composite suspend action. The remote partner device of the indicated device pair is diskless, but this is not allowed for non-composite actions unless the RCVRY option is specified. As that is not the case, the action has failed.

**Action**
If appropriate, specify the RCVRY option and issue the modified command.

**EMCCW6FE**

Local device dev# or mirror not R2 as required

**Cause**
An #SC VOL command was issued with an action that must be issued to the secondary (R2) device of an SRDF pair. However, the device or mirror to which the command was directed is not a secondary device in the pair, so the action has failed.

**Action**
If appropriate, specify the RCVRY option and issue the modified command.

**EMCCW70E**

Local device dev# or mirror not R1 as required

**Cause**
An #SC VOL command was issued with a dynamic SRDF action that must be directed to primary (R1) devices. However, the indicated device is not primary on the remote mirror which is participating in the action. Consequently, the command has failed for the indicated device.

**Action**
Ensure that the correct SRDF group has been specified in the command. If the SRDF group was allowed to default, either because neither the LCL nor the RMT keyword was specified or because the RMT keyword was specified but the third subparameter was omitted, ensure that the device is R1 on the default SRDF group. Verify that the correct gatekeeper or SRDF group has been specified in the command. When the cause of the problem has been determined, reissue the failing command after having made any necessary changes.

**EMCCW71E**

Local device dev#, RDF group xx, in a ConGroup
Cause
An #SC VOL command was issued with an action that is not allowed for devices in an active consistency group. However, the indicated device, or one of its remote mirrors, does belong to an active consistency group. If the device resides on a PowerMax/VMAX system which supports mirror-level ConGroup, the command action was directed to the remote mirror identified by the SRDF group number appearing in the message and that mirror belongs to an active consistency group; otherwise, the device itself belongs to an active consistency group. The command has failed for the indicated device.

Action
Determine whether the continued operation of the consistency group to which the device or remote mirror belongs takes precedence over the need for the action and proceed accordingly.

EMCCW72E
Rmt dev of dev#:dev#, RDF group xx, is in a ConGroup

Cause
An #SC VOL command was issued with an action that is not allowed for devices in an active consistency group. However, the indicated device, or one of its remote mirrors, does belong to an active consistency group. If the device resides on a storage system which supports mirror-level ConGroup, the command action was directed to the remote mirror associated with the SRDF group number identified by xx in the message and that mirror belongs to an active consistency group. Otherwise, the device itself belongs to an active consistency group. In either case, the command has failed for the indicated device.

Action
Determine whether the continued operation of the consistency group to which the device or remote mirror belongs takes precedence over the need for the action and proceed accordingly.

EMCCW73E
R1-to-be dev# larger than R2-to-be dev#

Cause
An #SC VOL command was issued with a CREATEPAIR action which would result in the pairing of the indicated devices. However, the device that would become the R1 device in the pairing is larger than the device that would become the R2 device in the pairing. Such device pairs are prohibited, so the command has failed.

Action
Do not attempt to create device pairs in which the R1 device size exceeds the R2 device size.
EMCCW74E

R2-to-be dev# larger than R1-to-be dev#

**Cause**
An #SC VOL command was issued with a CREATEPAIRED action which would result in the pairing of the indicated devices. However, the device that would become the R1 device in the pairing is smaller than the device that would become the R2 device in the pairing. Such device pairs are prohibited, so the command has failed.

**Action**
Do not attempt to create device pairs in which the R1 device size exceeds the R2 device size.

EMCCW76E

R22 mirror partners of dev# are on same R11

**Cause**
An #SC VOL command was issued with a CREATEPAIRED or SWAP action which would result in the creation of an R22. However, the partners of the two R2 remote mirrors of the R22, whose device number appears in the message, would be the same device, a prohibited configuration. Consequently, the command has failed.

**Action**
Determine the desired valid configuration, and issue the appropriate commands to realize that configuration. If appropriate, configure a cascaded device between the intended R11 and the intended R22.

EMCCW7AE

Rmt range break at dev#:dev# (dev#)

**Cause**
An #SC VOL command was issued with a CREATEPAIRED or CASCRE dynamic SRDF action. However, the remote devices corresponding to a contiguous local range are themselves not a contiguous device range. This is most likely due to the presence of a null device in the range of remote devices, or for CASCRE, the far devices. The command supplies the pair that would be created if there were no break in the remote device range, with the actual next remote device number found in parentheses.

**Action**
Verify that the gatekeeper, SRDF group, and device number in the command are correct. If they are, modify the command. A null device may not be present in either the local or remote device range of a CREATEPAIRED or CASCRE action. You may wish to review the device configuration of the storage system on which the range break was found.
EMCCW7BE

de# : de# would be FBA Meta/non-Meta pair

Cause
An #SC VOL command with a CREATEPAIR or CASCRE action was issued. The indicated devices could not be paired because one of the devices to be paired is an FBA meta device and the other is an FBA non-meta device. Consequently, the action has failed.

Action
Do not attempt to pair FBA meta devices with FBA non-meta devices.

EMCCW7CE

Lcl dev de# already SRDF/A

Cause
An #SC VOL command was issued with a CREATEPAIR or MOVEPAIR dynamic SRDF action, and SRDF/A is active on the target group (with either CEXMPT specified or the SRDF/A group in tolerance mode). However, the local device in the pair or pair-to-be is already in an SRDF group on which SRDF/A is active on another remote mirror. Since a device can be in an SRDF/A session on only one remote mirror, the action has failed.

Action
Verify that the gatekeeper, SRDF group, and device number in the command are correct.

EMCCW7DE

Rmt dev of de#: de# already SRDF/A

Cause
An #SC VOL command was issued with a CREATEPAIR or MOVEPAIR dynamic SRDF action, and SRDF/A is active on the target group (with either CEXMPT specified or the SRDF/A group in tolerance mode). However, the remote device in the pair or pair-to-be is already in an SRDF group on which SRDF/A is active on another remote mirror. Since a device can be in an SRDF/A session on only one remote mirror, the action has failed.

Action
Verify that the gatekeeper, SRDF group, and device number in the command are correct.

EMCCW7EE

DELETEPAIR denied, SRDF/A cleanup running on xx
Cause
An #SC VOL command was issued with a DELETEPAIR dynamic SRDF action. However, the device pair was part of an SRDF/A group that has recently been deactivated, and cleanup has not completed for the SRDF group. Consequently, the action has failed.

Action
Reissue the command after allowing some time for cleanup to complete. If the problem persists, obtain displays of the SRDF group status and contact the Dell EMC Customer Support Center.

EMCCW7FI
CEXPMT suppressed, SRDF/A not found on RDF group xx

Cause
An #SC VOL command was issued with a CREATEPAIR or MOVEPAIR action specifying the CEXMPT option. However, SRDF/A is not active on the SRDF group specified in the command. Consequently, the CEXMPT option is not needed, and has been suppressed. The consistency exempt attribute will not be set for the resulting device pairs.

Action
None

EMCCW81E
R2 (diskless) of new pair dev# will be R21, not ADCOPY mode

Cause
An #SC VOL command was issued with a CREATEPAIR or SWAP action which would result in the creation of an R1-R21 device pair in which the indicated R21 is a diskless device. In such a configuration, the corresponding cascaded (R21-R2) pair must be in ADCOPY WRITE PENDING mode, but this is not the case. Consequently, the command has failed.

Action
If desired, set the existing pair to ADCOPY WRITE-PENDING mode by means of an #SC VOL command with the ADCOPY action. Then reissue the failing command.

EMCCW82E
R1 (diskless) of new pair dev# will be R21, ADCOPY required

Cause
An #SC VOL command was issued with a CREATEPAIR or SWAP action which would result in the creation of a cascaded (R21-R2) pair in which the indicated R21 is a diskless device. In such a configuration, the cascaded pair must be in ADCOPY WRITE PENDING mode, but this mode was not specified in the command. Consequently, the command has failed.
Action
If desired, reissue the command specifying the ADCOPY option.

EMCCW83E

Lcl device dev# diskless, action denied

Cause
An #SC VOL command was issued with a non-composite action. However, the indicated local device is diskless and may participate in composite actions only. Consequently, the command has been disallowed for the indicated device.

Action
Do not attempt to perform non-composite actions against diskless devices.

EMCCW84E

Rmt dev of dev#:dev# is diskless, action denied

Cause
An #SC VOL command was issued with a non-composite action. However, the indicated remote device is diskless and may participate in composite actions only. Consequently, the command has been disallowed for the indicated device.

Action
Do not attempt to perform non-composite actions against diskless devices.

EMCCW85E

CASCRE with R1 or R2 Lcl dev dev# diskless

Cause
An #SC VOL command was issued with a CASCRE action which would result in the creation of an R1-R21 pair in which the R1 is a diskless device or an R2-R21 pair in which the R2 is a diskless device. However, an R21 device may not be paired with a diskless device. Consequently, the command has failed.

Action
Ensure that diskless devices are not requested only as partners of R21 devices.

EMCCW86E

CASCRE R21 dev dev#, Far device dev# diskless

Cause
An #SC VOL command was issued with a CASCRE action which would result in the creation of an R21-R1 device pair in which the R1 is a diskless device or an R21-R2 pair in which the R2 is a diskless device. However, an R21 device may not be paired with a diskless device. Consequently, the command has failed.
Action
Ensure that diskless devices are not requested only as partners of R21 devices.

EMCCW87E

CREATEPAIR, Lcl dev# Rmt dev# both diskless

Cause
An #SC VOL command was issued with a CREATEPAIR action in which the devices to be paired are both diskless devices. Such a pairing is prohibited. Consequently, the command has failed.

Action
Do not attempt to pair diskless devices.

EMCCW88E

Inline failure: error code xxxxxxxx

Cause
An #SC VOL command was issued with an action utilizing inlines in its processing. However, an error was encountered during processing of the inline. Consequently, the action has failed.

Action
Contact the Dell EMC Customer Support Center for instructions on obtaining diagnostic output.

EMCCW89E

Other-process lock query failed, data xxxxxxxx

Cause
An #SC VOL command was issued with a dynamic SRDF action. However, after successful validation, a request to determine whether the devices to be processed were currently in use by another process failed. To guarantee device data integrity, the dynamic SRDF action is not permitted to proceed, so the action has failed.

Action
Reissue the command after allowing some time for devices to be freed. If the problem persists, contact the Dell EMC Customer Support Center for further instructions, providing the message text.

EMCCW8AE

RDF group xx Star/SQAR recovery, [STAR|SQAR] opt missing
Cause
An #SC VOL command was issued with a dynamic SRDF action. The SRDF group to which the devices to be processed belong is marked as an SRDF/Star or SRDF/SQAR recovery group, so the corresponding STAR or SQAR option needs to be specified. However, since it was not specified, the action has failed.

Action
If desired, wait until SRDF/Star or SRDF/SQAR cleanup has been completed and the cleanup program EMCMSCME has run to reissue the command. However, if the command is being run as part of SRDF/Star or SRDF/SQAR recovery, reissue the command specifying the corresponding STAR or SQAR option.

EMCCW8BE

All Lcl mirrors of R1 dev# have invalid tracks

Cause
An #SC VOL command was issued with a CASSUSP action. However, it was determined that all local mirrors of the R1 indicated in the message had invalid tracks. This is an unusual condition and may indicate an error in the storage system on which the device resides. Suspending a device pair in which no local mirrors are fully synchronized would result in the R1 device having no mirroring protection. To avoid the risk of data lost, the suspend request has been denied.

Action
If reissuing the command is not successful, contact the Dell EMC Customer Support Center and report this message. It may be necessary for hardware diagnostics to be run on the storage system on which the R1 resides.

EMCCW8CE

Lcl dev dev# would be concurrent BCV

Cause
An #SC VOL command was issued with a CREATEPAIR or CASCRE action, but the indicated local device to be paired is a BCV that is already paired with a remote device. A BCV may not have more than one remote mirror, so the command has failed for the indicated device.

Action
Examine the command to ensure that the gatekeeper, all SRDF groups, and all device numbers specified are correct. If not, correct the error and reissue the command. Otherwise, do not attempt to create a concurrent BCV device.

EMCCW8DE

Rmt of dev#:dev# would be concurrent BCV

Cause
An #SC VOL command was issued with a CREATEPAIR or CASCRE action, but the remote device of the indicated device pair-to-be is a BCV that is already paired with a
remote device. A BCV may not have more than one remote mirror, so the command has failed for the indicated device.

**Action**
Examine the command to ensure that the gatekeeper, all SRDF groups, and all device numbers specified are correct. If not, correct the error and reissue the command. Otherwise, do not attempt to create a concurrent BCV device.

**EMCCW8EE**

Rmt dev of dev#:dev# has different partner

**Cause**
An #SC VOL command was issued with a SWAP, DELETEPAIR, or MOVEPAIR action. However, for the indicated purported device pair, the indicated remote device is actually paired with a different partner. Consequently, the local device is not part of a valid SRDF pair and is not eligible for the entered action.

**Action**
If desired, issue an #SC VOL command with a half action (HSWAP, HDELETEPAIR, or HMOVEPAIR) to accomplish the device state change.

**EMCCW8FE**

CREATEPAIR denied, SRDF/A cleanup running on xx

**Cause**
An #SC VOL command was issued with a CREATEPAIR or CASCRE action. However, SRDF/A cleanup is running on the SRDF group indicated by xx in the message. Consequently, the CREATEPAIR action cannot be processed.

**Action**
Reattempt the command periodically until SRDF/A cleanup has completed.

**EMCCW90E**

ERROR: Internal error, id x

**Cause**
An #SC VOL command was issued with a dynamic SRDF or composite action, but an unexpected condition has been detected. The ID appearing in the message indicates the processing point at which the unexpected condition was detected.

**Action**
Report this message to the Dell EMC Customer Support Center. Be prepared to generate additional diagnostic information.
EMCCW92E

MOVEPAIR denied, source and target groups both xx

Cause
An #SC VOL command was issued with a MOVEPAIR or HMOVEPAIR action. However, the source and target SRDF groups specified in the command are the same. Consequently, the command has failed.

Action
Determine the intended action, and reissue the command after correcting any erroneous parameters.

EMCCW93E

CASCRE dev#1:dev#2 device to be R21 not std

Cause
An #SC VOL command with the CASCRE action has requested the creation of a cascaded triplet. However, the device that is to be R21 in the cascaded triplet, indicated by dev#2 in the message, already has a remote mirror. The CASCRE action would require two new remote mirrors for the device, and a device may not have three remote mirrors. Consequently, the request fails.

Action
Either delete the pair of which the device in question is a partner or do not specify the device as the middle device in a CASCRE action.

EMCCW94E

Rc xxxxxxxx:xxxxxxx, API call xxxxxxxxxxxxxxxxxxxxx

Cause
An #SC VOL command was issued. However, while processing the command, the API call identified in the message failed with the indicated return and reason codes. Command processing has terminated with an error.

Note
If the #SC VOL command action is a diskless CASCRE, the error could be the result of a bad cache slot.

Action
Report this message to the Dell EMC Customer Support Center. Be prepared to generate additional diagnostic information.
EMCCW95E

Lcl dev dev# has mirror in tgt group xx

**Cause**
An #SC VOL command was issued with the MOVEPAIR or HMOVEPAIR action. However, the local device whose SRDF group is to be changed, indicated by `dev#` in the message, already has a remote mirror in the specified target SRDF group. Consequently, the request fails for the indicated device or pair.

**Action**
Either eliminate the problematic remote mirror by specifying the DELETEPAIR, HDELETEPAIR, CASDEL, MOVEPAIR or HMOVEPAIR action and reissue the command, or do not include the device in the command device range.

EMCCW96E

Rmt dev dev#1:dev#2 has mirror in tgt group xx

**Cause**
An #SC VOL command was issued with the MOVEPAIR or HMOVEPAIR action. However, the remote device whose SRDF group is to be changed, indicated by `dev#2` in the message, already has a remote mirror in the indicated target SRDF group. Consequently, the request fails for the indicated device or pair.

**Action**
Either eliminate the problematic remote mirror by specifying the DELETEPAIR, HDELETEPAIR, CASDEL, MOVEPAIR or HMOVEPAIR action and reissue the command, or do not include the device in the command device range.

EMCCW97E

Denied, SRDF/A active on Lcl RDF group xx

**Cause**
An #SC VOL command was issued with a dynamic SRDF or composite action, but SRDF/A is active on the SRDF group specified in the command. This is not permitted, so the action has failed.

**Action**
None.

EMCCW98E

Denied, SRDF/A active on Rmt RDF group xx
**EMCCW99E**

*Cause*
An #SC VOL command was issued with a dynamic SRDF or composite action, but SRDF/A is active in the other-side SRDF group of the SRDF group specified in the command. This is not permitted, so the action has failed.

*Action*
None.

**EMCCW9DE**

*Cause*
An #SC VOL command was issued with a dynamic SRDF or composite action specifying the CEXMPT option. However, SRDF/Star or SRDF/SQAR is active on the SRDF group specified in the command. This is not permitted so the action has failed.

*Action*
None.

**EMCCW9FE**

*Cause*
An #SC VOL command was issued with a dynamic SRDF half action. However, SRDF/A is active on the SRDF group to which the action was directed. Half actions may not be performed on devices belonging to pairs in an SRDF/A group so the action has failed.

*Action*
Do not attempt this action.

**EMCCWA0E**

SRDF/A on RDF group nn, TOL=N requires CEXMPT
**EMCCWA2E**

Both devices of pair dev#:dev# would be R21

**Cause**
An #SC VOL command was issued with a CREATEPAIR, SWAP, or CASSWAP action that would result in two devices of the same pair being R21 devices. This configuration is not permitted and the command has failed. The message indicates the local and remote devices that would comprise the pair causing the error.

**Action**
Analyze the desired configuration and adjust the command so as not to attempt creation of chained R21 devices.

**EMCCWA3E**

SWAP denied, SRDF/A cleanup running on xx

**Cause**
An #SC VOL command was issued with a SWAP action. However, the device pair was part of an SRDF/A group that has recently been deactivated, and cleanup has not completed for the SRDF group. Consequently, the action has failed.

**Action**
Reissue the command after allowing some time for cleanup to complete. If the problem persists, obtain displays of the SRDF group status and contact the Dell EMC Customer Support Center for instructions on obtaining on additional diagnostic information.

**EMCCWA4E**

Lcl dev dev# would be concurrent BCV

**Cause**
An #SC VOL command was issued with a CREATEPAIR or CASCRE action, but the indicated local device to be paired is a BCV that is already paired with a remote device. A BCV may not have more than one remote mirror, so the command has failed for the indicated device.

**Action**
Examine the command to ensure that the gatekeeper, all SRDF groups, and all device numbers specified are correct. If not, correct the error and reissue the command. Otherwise, do not attempt to create a concurrent BCV device.
**EMCCWA5I**

**R2 Devices owe tracks to the R1 devices**

**Cause**
An #SC VOL SWAP command was issued. However, invalid R1 tracks exist on the remote R2 or R21. Consequently, the action has failed for the local devices that are listed.

**Action**
Before performing actions on device pairs for which invalid R1 tracks exist on the R2, it is necessary to determine whether these tracks should be used to update the R1 or whether the invalid tracks should be discarded and normal SRDF replication from the R1 to the R2 should resume. Follow the guidelines in the Recovery Procedures section of the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for making this determination and follow the procedures indicated. Then reissue the command. The FORCE option can be used to ignore invalid tracks and proceed the action.

**EMCCWA6E**

**Lcl of dev#:dev# diskless, Rmt on pre-5773**

**Cause**
An #SC VOL command with a CASCRE or CREATEPAIR action was entered. During validation, it was determined that a diskless device on the local storage system was to be paired with a device on a storage system with the operating environment level lower than 5773. Such a device pair is not supported, so the command has failed. No device pairs or triplets will be created by the command. The message shows the first intended device pair for which the error was detected.

**Action**
Do not attempt to create such device pairs or triplets. When creating device pairs via the CASCRE action in which the remote or far devices reside on a storage system with the operating environment level lower than 5773, ensure that the local or remote device range contains no diskless devices. When creating device pairs using the CREATEPAIR action in which the remote devices reside on a storage system with the operating environment level lower than 5773, ensure that the local device range contains no diskless devices.

**EMCCWA7E**

**Rmt of dev#:dev# diskless, Lcl on pre-5773**

**Cause**
An #SC VOL command with a CASCRE or CREATEPAIR action was entered. During validation, it was determined that a diskless device on the remote or far storage system was to be paired with a device on a storage system with the operating environment level lower than 5773. Such a device pair is not supported, so the command has failed. No device pairs or triplets will be created by the command. The message shows the first intended device pair for which the error was detected.
Action
Do not attempt to create such device pairs or triplets. When creating device pairs via the CASCRE action in which the local or remote devices reside on a storage system with the operating environment level lower than 5773, ensure that the local or remote device range contains no diskless devices. When creating device pairs via the CREATEPAIR action in which the remote devices reside on a storage system with the operating environment level lower than 5773, ensure that the local device range contains no diskless devices.

EMCCWA8E

Lcl cache partition grp mismatch dev#:dev#

Cause
An #SC VOL command was issued with a CREATEPAIR, CASCRE, or MOVEPAIR action that would result in the indicated device pair being added to an SRDF group in which SRDF/A is currently active. The local device of the pair would become a local device in the SRDF/A session but is in a different cache partition group from the local devices already in the SRDF/A group. Since all devices on the local side of an SRDF/A session must have the same cache partition group, the command has failed.

Action
If appropriate, adjust the cache partition assignment of the local device as described in the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide. Then reissue the command.

EMCCWA9E

Rmt cache partition grp mismatch dev#:dev#

Cause
An #SC VOL command was issued with a CREATEPAIR, CASCRE, or MOVEPAIR action that would result in the indicated device pair being added to an SRDF group in which SRDF/A is currently active. The remote device of the pair would become a remote device in the SRDF/A session but is in a different cache partition group from the remote devices already in the SRDF/A group. Since all devices on the remote side of an SRDF/A session must have the same cache partition group, the command has failed.

Action
If appropriate, adjust the cache partition assignment of the remote device as described under in the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide. Then reissue the command.

EMCCWAAAE

Lcl R22 dev# on 5773 missing patch

Cause
An #SC VOL command was issued with a CREATEPAIR, CASCRE, SWAP, HSWAP, or CASSWAP action that would result in the creation of an R22 on a storage system.
running with Enginuity 5773. However, a patch that is required for support of R22 devices on the Enginuity 5773 system is missing. Consequently, the command has failed for the indicated device.

**Action**
Contact your Dell EMC Customer Support Representative to arrange for installation of the required patch. The serial number of the storage system missing the patch can be found in one of the EMCGM40I, EMCGM4BI, or EMCGM4CI messages that has been issued as a result of command processing.

**EMCCWABE**

<table>
<thead>
<tr>
<th><strong>EMCCWABE</strong></th>
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<tbody>
<tr>
<td>Rmt R22 of dev#:dev# on 5773 missing patch</td>
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</tbody>
</table>

**Cause**
An #SC VOL command was issued with a CREATEPAIR, CASCRE, SWAP, HSWAP, or CASSWAP action that would result in the creation of one or more R22 devices on a storage system running with Enginuity 5773. However, a patch that is required for support of R22 devices on the Enginuity 5773 system is missing. Consequently, the command has failed for the remote device of the indicated pair.

**Action**
Contact your Dell EMC Customer Support Representative to arrange for installation of the required patch. The serial number of the storage system missing the patch can be found in one of the EMCGM40I, EMCGM4BI or EMCGM4CI messages that has been issued as a result of command processing.

**EMCCWACI**

<table>
<thead>
<tr>
<th><strong>EMCCWACI</strong></th>
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<tbody>
<tr>
<td>Lcl RAID10 member dev# skipped</td>
</tr>
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</table>

**Cause**
An #SC VOL command was issued with a device range that included the listed device, which is a RAID10 member. During command processing, the indicated device was ignored, because a RAID10 member is only processed through its associated RAID10 head device. Processing continues normally. This message does not indicate an error, nor does it imply that the device range includes the associated RAID10 head device.

**Action**
None.

**EMCCWAEI**

<table>
<thead>
<tr>
<th><strong>EMCCWAEI</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Lcl device dev# skipped due to filter request</td>
</tr>
</tbody>
</table>

**Cause**
An #SC VOL command included the SELECT keyword parameter. A device in the device range did not meet the specified select filter criterion, and consequently will not be processed. The device will not be listed among the requested devices.

**Action**
None.
EMCCWAFI

Device dev# not blocked on specified group

Cause
An #SC VOL R22SWTCH command was issued. The device indicated in the message was bypassed because it is not blocked on the mirror in the specified SRDF group, or for the RMT keyword with subparameter 3 omitted, the implied SRDF group.

Action
None.

EMCCWB0E

R2 of dev#:dev# blocked, R22ACT not specified

Cause
An #SC VOL command was issued with a RESUMEPAIR action. The remote device is a valid R22 which is blocked on the R2 mirror of the pair to be resumed. Since the R22ACT option was not specified, the blocked leg remains blocked and the resume action is denied.

Action
None required. If the intention is that the specified pair become ready on the link, include the R22ACT option to block the currently unblocked R2 mirror and to unblock the currently blocked R2 mirror and reissue the command.

EMCCWB1E

RDF group xx not defined

Cause
An SRDF Host Component #SC VOL command was issued. During local discovery, it was determined that the SRDF group specified in the command was not defined. Consequently, the command has been aborted.

Action
Ensure that the correct SRDF group was specified. If so, issue an #SQ RDFGRP command specifying the SRDF group in question to determine its state.

EMCCWB2E

Pair dev#:dev# would be mixed thin/thick

Cause
An #SC VOL CREATEPAIR command requested an SRDF device pairing between a thin device and a device that is not thin. This is not permitted for the operating environment levels of the storage systems on which the devices reside. Consequently, the command has failed.
Action
Do not attempt such a pairing. If the error resulted from incorrect specification of one of the device numbers, correct the error and resubmit the command.

EMCCWB3E

{Lcl | Rmt} of dev#:dev# is an unbound thin device

Cause
An #SC VOL CREATEPAIR command requested an SRDF device pairing between two devices, one of which is an unbound thin device. Such a device cannot be explicitly specified in an #SC VOL command. Consequently, the command has failed.

Action
Do not attempt such an action. If the error resulted from incorrect specification of one of the device numbers, correct the error and resubmit the command. Otherwise, consult the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide for information on thin device pools and bind the device as required.

EMCCWB4E

{Lcl | Rmt} of dev#:dev# is a back end thin device

Cause
An #SC VOL command specified a device which is configured as a thin data device. Only thin front-end devices may be explicitly specified in an #SC VOL command. Consequently, the command has failed.

Action
Do not attempt such an action. If the error has resulted from incorrect specification of one of the device numbers, correct the error and resubmit the command.

EMCCWB5E

Pair dev#:dev# has SRDF/A polarity conflict

Cause
An #SC VOL command with the MOVEPAIR action was specified. SRDF/A was active on the target SRDF group and CEXMPT was specified as required. However, it was determined that the primary device of the pair to be moved would be on the secondary side of the SRDF/A session.

Action
Verify that the target SRDF group and the device range specified in the command and were specified correctly. Then determine whether the indicated device pair should be swapped before attempting the action.
**EMCCWB6E**

R2 of new pairs would be on SRDF/A primary side

**Cause**
An #SC VOL command with the CREATEPAIR action was specified. SRDF/A was active on the target SRDF group and CEXMPT was specified as required. However, it was determined that the primary device of the pair to be created would be on the secondary side of the SRDF/A session.

**Action**
Verify that the target SRDF group and the device range were specified correctly in the command. Then determine whether the requested pairing should have reversed polarity specified, for example, by specifying the LCLISR2 option if it is not specified or by removing it if it was specified. Correct the error and resubmit the command.

**EMCCWB7E**

Device dev# is R22 but blocked on both mirrors

**Cause**
An #SC VOL command was issued with an R22SWTCH action. However, the action is not possible on the specified R22 because both mirrors are blocked. Consequently, the device has been skipped.

**Action**
Analyze the current SRDF relationships to determine whether the blocked state for both mirrors is correct. An R22 should not have both mirrors blocked if there is a unique R11 source for the R22. If a valid R22 is blocked on both mirrors, it may be necessary to delete and recreate device pairs to unblock the mirror that is blocked but should not be.

**EMCCWB8E**

Device dev# not blocked on mirror in group xx

**Cause**
An #SC VOL command was issued with an R22SWTCH action including the GRPONLY option. However, for the R22 indicated, the mirror in the specified SRDF group is not blocked. Consequently, the command has been skipped for this device.

**Action**
None.

**EMCCWB9E**

Cannot pair dev#; dev#, one striped, one not
Cause
An #SC VOL command was issued with the CREATEPAIR or CASCRE action. During validation, it was determined that the command is attempting to pair the indicated devices. However, one of the devices is an FBA Meta striped device and the other is an FBA Meta concatenated device. Such a device pair is not possible, so the command has failed.

Action
Do not attempt to create such device pairs.

EMCCWBAE

RESUMEPAIR(DIFF) denied, Lcl group xx not [STAR|SQAR]

Cause
An #SC VOL RESUMEPAIR command was issued. However, the specified option is valid only if the SRDF group specified in the command is a Star or SQAR group. Since the SRDF group is not a Star or SQAR group, the command has been aborted.

Action
Ensure that the correct SRDF group was specified. If so, determine whether removal of the specified command option is acceptable.

EMCCWBBE

RESUMEPAIR(DIFF) denied, Rmt group xx not [STAR|SQAR]

Cause
An #SC VOL RESUMEPAIR command was issued specifying the DIFFERENTIAL option. This option, however, is valid only if the SRDF group specified in the command is a Star or SQAR group. Since the other-side SRDF group of the SRDF group specified is not a Star or SQAR group, the command has been aborted.

Action
Ensure that the correct SRDF group was specified. If so, determine whether removal of the DIFFERENTIAL option is acceptable.

EMCCWBCE

Device pairs between xxxx and xxxx not supported

Cause
An #SC VOL command was issued with a CREATEPAIR or CASCRE action. Devices to be paired as a result of the command reside on storage systems with the indicated operating environment levels. However, SRDF device pairs are not permitted with this combination of operating environment levels, so the command has failed.

Action
Do not attempt to create device pairs between storage systems having that combination of operating environment levels. Ensure that the SRDF group, and the hop list if the RMT keyword parameter was specified, are correct. If not, correct and resubmit the command.
EMCCWBDE

Pairs between xxxx and xxxx need microcode patch

Cause
An #SC VOL command was issued with a CREATEPAIR or CASCRE action. Devices to be paired as a result of the command reside on storage systems with the indicated operating environment levels. However, SRDF device pairs are permitted with this combination of operating environment levels only if an operating environment patch has been applied. Since it has not been applied, the command has failed.

Action
Ensure that the SRDF group, and the hop list if the RMT keyword parameter was specified, are correct. If not, correct and resubmit the command. If SRDF group and hop list are correct, contact the Dell EMC Customer Support Center to have the necessary patch applied.

EMCCWBEE

Half action at microcode level xxxx not supported

Cause
An #SC VOL command was issued with one of the dynamic SRDF actions HSWAP, HDELETEPAIR, or HMOVEPAIR. However, the device resides on a storage system at the indicated operating environment level, which does not support the action requested. Consequently, the command has failed.

Action
Attempt to achieve the desired dynamic SRDF result in an alternate way. See the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for information about the operating environment levels required to support the requested action.

EMCCWBFE

Invalid RDF group in synch-direction validation

Cause
An #SC VOL command was issued and the requested mirror reports an SRDF group that is not defined.

Action
Issue the #SQ RDFGRP command to check if the SRDF group exists. Contact Dell EMC Support for assistance.

EMCCWC0E

Partner of dev# blocked, has R1 invalids
Cause
An #SC VOL command with a resume action was issued. During device validation, it was discovered that the remote partner of the indicated device was link-blocked on the R2 mirror of the leg to be resumed and that this mirror had R1 invalid tracks. Resume actions are not allowed in this situation. Consequently, the resume action has failed for the indicated device.

Action
If the remote device is a valid R22 device, an R22SWTCH action can be performed to unblock the mirror that is link-blocked. Appropriate refresh and refresh-resume processing will then make the R1 device ready on the link. Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for more information on R22 device behavior and on this specific procedure.

EMCCWC2E

Denied, host intervention required on dev#

Cause
An #SC VOL command was unable to process the specified device because the system indicated that host intervention was required on the device. Note that this condition can result from an action by MSC or an operator making the device unavailable.

Action
Query the device to determine its state, and take the appropriate action, bearing in mind that the host intervention required state is usually an operational condition rather than a hardware error.

EMCCWC3E

Invalid two-box hop loop at RDF group xx

Cause
An SRDF Host Component SC VOL command was issued with a CASCRE action. During validation, it was determined that the two mirrors of the devices to become R21 would be in the same SRDF group. However, a device may not have two remote mirrors in the same SRDF group. Consequently, the command has been aborted.

Action
Ensure that the other-side SRDF group of the SRDF group specified for the R1 devices is not the same as the SRDF group specified for the R21 devices.

EMCCWC4E

Thick device dev# violates thin-thick rules

Cause
An #SC VOL command with a CREATEPAIR or CASCRE action was issued and the pair to be created would include a thin device and standard (thick) device. However,
the standard device indicated in the message was found to violate one or more of the rules governing thick-thin device pair creation.

The *SRDF Interfamily Connectivity* document sets out the requirements for thin-to-thick and thick-to-thin operations.

Command processing is terminated at the completion of validation processing.

**Action**

Exclude the device causing the error from the device range specified in the command.

---

**EMCCWC5E**

Thin device dev# violates thin-thick rules

**Cause**

An #SC VOL command with a CREATEPAIR or CASCRE action was issued and the pair to be created would include a thin device and standard (thick) device. However, the thin device indicated in the message was found to violate one or more of the device pairing rules, which govern the creation of such device pairs.

The *SRDF Interfamily Connectivity* document sets out the requirements for thin-to-thick and thick-to-thin operations.

Command processing is terminated at the completion of validation processing.

**Action**

Exclude the device causing the error from the device range specified in the command.

---

**EMCCWC6E**

SRDF/A cleanup pending for Lcl device dev#

**Cause**

A SC VOL command with a dynamic SRDF action was issued. During validation, it was determined that although SRDF/A was not active on the SRDF group specified or implied for the local device indicated in the message, SRDF/A cleanup had not completed for the device itself. Until this cleanup completes, the device cannot participate in dynamic SRDF processing. Consequently, the device has been set ineligible for the current action. Depending upon the specifics of the command issued and the options specified, the action may proceed for other devices.

**Action**

Wait to allow time for cleanup to complete and reissue the command. The amount of time that is required for SRDF/A cleanup to complete can depend on a variety of factors; multiple attempts may be required.

---

**EMCCWC7E**

SRDF/A cleanup pending, Rmt of dev#:dev#

**Cause**

An #SC VOL command with a dynamic SRDF action was issued. During validation, it was determined that although SRDF/A was not active on the SRDF group specified or
implied for the remote device indicated in the message, SRDF/A cleanup had not completed for the device itself. Until this cleanup completes, the device cannot participate in dynamic SRDF processing. Consequently, the device has been set ineligible for the current action. Depending upon the specifics of the command issued and the options specified, the action may proceed for other devices.

**Action**
Wait to allow time for cleanup to complete and reissue the command. The amount of time that is required for SRDF/A cleanup to complete can depend on a variety of factors; multiple attempts may be required.

---

**EMCCWC8E**

**Lcl FBA Meta dev# inconsistent**

**Cause**
An #SC VOL command was issued, and an FBA Meta group was being validated. While comparing attributes of the member devices in the local FBA Meta group with corresponding attributes of the FBA Meta head device, an inconsistency was found. As a result, the FBA Meta group cannot be processed. For example, such an inconsistency would exist if the head device was in TNR state but a member device was ready on the link.

**Action**
Contact Dell EMC Technical Support for assistance in identifying and correcting the inconsistency.

---

**EMCCWC9E**

**Rmt of FBA Meta dev#:dev# inconsistent**

**Cause**
An #SC VOL command was issued, and an FBA Meta group was being validated. While comparing attributes of the member devices in the remote FBA Meta group with corresponding attributes of the FBA Meta head device, an inconsistency was found. As a result, the FBA Meta group cannot be processed. For example, such an inconsistency would exist if the head device was in TNR state but a member device was ready on the link.

**Action**
Contact Dell EMC Technical Support for assistance in identifying and correcting the inconsistency.

---

**EMCCWCAE**

**Lcl FBA Meta dev# pair inconsistency**

**Cause**
An #SC VOL command was issued with a dynamic SRDF action, and an FBA Meta group was found in the device range. While comparing attributes of the devices in the local FBA Meta group with attributes of the corresponding devices in the remote FBA
Meta group, an inconsistency was found. As a result, the action cannot be processed for this FBA Meta group pair. For example, such an inconsistency would exist if the head devices indicated that they were paired to each other but corresponding members were found that did not indicate that they were paired to each other.

**Action**
Contact Dell EMC Technical Support for assistance in identifying and correcting the inconsistency.

---

**EMCCWCB**

**EMCCWCB**

Rmt FBA Meta dev#:dev# pair inconsistency

**Cause**
An #SC VOL command was issued with a dynamic SRDF action, and an FBA Meta group was found in the device range. While comparing attributes of the devices in the remote FBA Meta group with attributes of the corresponding devices in the remote FBA Meta group, an inconsistency was found. As a result, the action cannot be processed for this FBA Meta group pair. For example, such an inconsistency would exist if the head devices indicated that they were paired to each other but corresponding members were found that did not indicate that they were paired to each other.

**Action**
Contact Dell EMC Technical Support for assistance in identifying and correcting the inconsistency.

---

**EMCCWCCE**

**EMCCWCCE**

Syscall failed, remote Symmetrix busy (xxxx)

**Cause**
A SC VOL command was issued. In response to a syscall or API request, an error code was set indicating that a remote storage system was busy and was unable to handle the request or its output. No retry is issued for this condition. Note that the storage system issuing this error code may be the storage system on which the request was to have been processed or any storage system on the command path between that storage system and the local one. Also note that the command may not have reached the storage system on which it was to have been processed, may have reached that storage system but not completed processing, may have completed processing successfully, or may have failed.

**Action**
Carefully example the states of the devices that were to have been affected by the command; do not attempt to use these devices until their state has been ascertained. Attempt to determine which storage system has generated the 'Symmetrix busy' error return, whether the command succeeded, failed, or was not processed. If necessary, contact Dell EMC Technical Support to obtain assistance in diagnosing the problem and assessing the current device and storage system states.
EMCCWCDE

MOVEPAIR denied, target group xx [Star/Star] [SQAR/SQAR] recovery

Cause
An #SC VOL command with the MOVEPAIR action was specified. A device pair to be processed was found to consist of different-sized devices, and the SRDF group to which the pair was to have been moved is a Star or SQAR group or a Star or SQAR recovery group. As part of recovery procedures, it may be necessary to swap this device pair. However, this swap request would fail because the partner devices have different sizes. To avoid this likely failure during Star or SQAR recovery, the MOVEPAIR action is failed.

Action
Ensure that the correct target SRDF group was specified in the command. Do not attempt to move device pairs consisting of unequal-sized devices into Star or SQAR SRDF groups or Star or SQAR recovery SRDF groups.

EMCCWCEE

No directors on Symmetrix xxxxxxxxxxxxx

Cause
A SC VOL command was issued. While performing discovery of the storage systems on which the devices participating in the command action reside, it was determined that no link directors existed on the storage system indicated in the message. Since SC VOL actions cannot be processed on such a storage system, the command has been aborted.

Action
Ensure that all hop lists and SRDF groups specified in the command are correct. If they are correct, determine why no link directors are being detected on the storage system indicated in the message. When the problem has been corrected, reissue the command.

EMCCWCIFE

message-text

Cause
An error occurred during suspend or resume processing.
**Action**
Locate the returned *message-text* below for specific cause and action.

None of the ra groups is online for at least one device.

Some devices failed - all RDF groups offline.

All devices failed - all RDF groups offline.

The SRDF groups associated with the command are offline or unavailable.
Issue an #SQ RDFGRP command to determine if any groups are offline. Check that the directors in the related groups are online and that all connections are secure.

All local mirrors have invalid tracks.

Some devices failed - all local mirrors have invalid tracks.

All devices failed - all local mirrors have invalid tracks.

All local mirrors for the devices have one or more invalid tracks.
Issue an #SQ MIRROR command to locate the devices with invalid tracks. Determine why the tracks are invalid.

All local mirrors are not ready or w/d.

Some devices failed - all local mirrors are not ready or write disabled.

All devices failed - all local mirrors are not ready or write disabled.

All local mirrors for the devices are not ready or are write disabled.
Issue an #SQ MIRROR command to determine the state of the local mirrors.

No R1 device found in the list.

Some devices failed - no R1 devices found.

All devices failed - no R1 devices found.

The command should have been sent to an R1 device but there were no R1 devices specified.
Re-check the command to determine if it was issued to the correct devices. Also, check for established BCVs. When B1 devices are established, they are acting in their TimeFinder role and not in their SRDF role.

- Cannot resume without a dd.
- Some devices failed - Cannot resume without dd.
- All devices failed - Cannot resume without dd.

The device is in a state that it cannot be resumed with an RDF_RSUM action. Select and follow one of the recovery procedures as outlined in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.

- Cannot resume until the SRDF/A cleanup completes.
- Some devices failed - SRDF/A cleanup running.
- All devices failed - SRDF/A cleanup running.

A resume request was issued and SRDF/A cleanup procedures are either pending or running. Wait for the SRDF/A cleanup procedures to complete and retry the command.

- R2 is larger than R1 - cannot complete action.
- Some devices failed - R2 is larger than R1.
- All devices failed - R2 is larger than R1.

The resume could not complete because the R2 device is larger than the R1 device. The action would result in data flowing from a larger R2 device to a smaller R1 device. Check that the command was issued to the correct devices. Issue an SQ VOL command to determine that the requested devices are the correct size.

- No R2 device found in the list.
- Some devices failed - no R2 device found.
- All devices failed - no R2 device found.

The command should have been sent to an R2 device but there were no R2 devices specified.
Re-check the command to determine if it was issued to the correct devices.

Cannot resume because the partner R2 mirror is not accepting I/O from this device.

Some devices failed - partner R2 is IL.

All devices failed - partner R2 is IL.

The command failed because one or more SRDF mirrors in the request were partnered with an R2 mirror that was in an inactive link state of an R22 device.

Check that the command was issued to the correct mirror. Issue an SQ VOL command to determine which R22 mirrors are active.

All devices failed flag. The checkpointing process did not complete, try syscall again.

This error indicates the syscall is being denied due to lack of resources on the FICON director and this prevented the completion of the checkpointing sequence. The director cannot open a communications path to send another syscall out.

Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**EMCCWCFW**

Lcl dev dev# and RMT dev dev# MUST be thin

**Cause**
The incorrect device type has been selected. Both the local and remote devices must be thin devices.

**Action**
Choose a different device that is a thin device.

**EMCCWD0E**

Ineligible devices found. Command not executed

**Cause**
An #SC VOL command was issued for which all requested devices must be eligible to be processed in order for the command to be executed. If one or more requested devices are not eligible to be processed, then the command is not executed for any requested devices. The command is terminated following completion of device validation.

Informational messages are also issued to identify the ineligible devices that prevented command execution.
**Action**
Refer to the informational messages to identify the ineligible devices that prevented the command from being executed. Correct the status of these ineligible devices and then reissue the command.

**EMCCWD1I**

Non-FBA devices will be excluded

**Cause**
An SC FAVOL command was issued to a range of devices and the range included some CKD devices. This message is informational and is followed by a list of PowerMax/VMAX device numbers that will be excluded.

**Action**
Verify the range of devices that were specified in the command.

**EMCCWD2E**

FAVOL Error: text

**Cause**
An error occurred while processing an SC FAVOL command. In the message, text describes the error.

**Action**
Possible values for text are:

- **GETMAIN FAILED FOR FWA WORK AREA**
  An error occurred trying to obtain a work area. Consider increasing the REGION parameter in your SRDF Host Component JCL.

- **MASK ERROR - xxxmaskid**
  An error occurred in SRDF Host Component device mask processing. xxx indicates the action and maskid indicates the name of the mask. Diagnostic information has been logged to SCF TRACE.

- **RANGE ERROR: START=dev# END=dev#**
  SC FAVOL processing was called for a range of devices but the start device number is greater than the end device number.

- **Bad MVS device number provided**
  UCBLOOK failed to return a valid UCB address for the specified device.

- **Retry count exceeded**
  After 10 retries to set write enabled, one or more devices are still write prohibited.

- **I/O error code =wwxxyyzz**
  An I/O error occurred. wwx is the device status, xx is the subchannel status, and yyzz is the sense data.

- **GETMAIN FAILED RC=xxxxxxxx**
  ESFDLM issued a STORAGE OBTAIN for work storage and the request failed.
An unknown error was returned by ESFDLM. The returned values are indicated in the
registers displayed.

One or more eligible devices locked

An SC FAVOL...WRITEENABLE command was issued and one or more eligible devices
are locked by another operation. Wait for the operation to complete and re-issue the
failing command. Use the "F emcsctl,REC,QRYDLOCK" command as documented in
the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide to
determine which devices are locked and what lock is held.

EMCCWD3E

SC FAVOL incomplete for devices

Cause
During the processing of the SC FAVOL,...,WRITEENABLE command, some or all of
the devices requested did not change to the desired state. These devices were still
write prohibited on one or more OS host directors. This message will be followed by a
list of PowerMax/VMAX device numbers that failed to change to the requested state.
Message EMCGM10E Command Aborted and a non-zero return code will be issued at
the end of command processing.

Action
Display the devices listed. Wait a bit and retry the command.

EMCCWD4E

WRITE-ENABLE failed for range: xxxxxx-yyyyyy

Cause
During the processing of the SC FAVOL,...,WRITEENABLE command, an error was
encountered for the range specified.

Action
This message is followed by message EMCCWD2E with a text message describing the
error.

EMCCWD6E

ESFDLM error R15=xxxxxxxxx, R0=yyyyyyyyy, R1=zzzzzzzz

Cause
During the processing of the SC FAVOL,...,WRITEENABLE command, an unrecognized
error was returned.

Action
Collect the Host Component job log and SCF TRACE raw data and report this
message to the Dell EMC Customer Support Center.
**EMCCWDCE**

STEAL LOCK NOT COMPLETED - Dev#: dev# LID: lock_id API: appname

**Cause**
The lock has been obtained on the devices.

**Action**
Identify the program that locked the device using the lock_id and lappname indicated in the message. Issue the #SC VOL command with RDF_SUSP or RDF_RSUM actions.

**EMCCWE2E**

E msg: EMCxxyyz message text

**Cause**
An internal software error occurred in SC VOL message processing. A message was passed to the message processing routines with insufficient information.

EMCxxyyz indicates the message that was in error.

**Action**
Report this message to the Dell EMC Customer Support Center.

**EMCCWE3I**

EMCxxyyz show msgs needing correcting in ESF21EED

**Cause**
An internal software error occurred in SC VOL message processing. A message was passed to the message processing routines with insufficient information.

EMCxxyyz indicates the message that was in error.

**Action**
Report this message to the Dell EMC Customer Support Center.

**EMCCWFEE**

Command failed

**Cause**
An #SC VOL command was issued for a dynamic SRDF or composite action. However, validation or processing was unsuccessful for reasons indicated in previous messages.
Action
Examine the messages to determine whether the command failure was due to correctable problems. If appropriate, take corrective action and reissue the command.

EMCCWFFE
A non-existent device was found

Cause
While processing a command, a non-existent device was found.

Action
Correct device range specification and retry.

EMCCX01I
Resume action denied, R1 devices diskless

Cause
An #SC VOL command was issued with the RDF_RSUM or RNG_RSUM action. However, one or more primary devices in the range is diskless, and the command is not being issued in a recovery situation. For a diskless device not in a recovery situation, a composite action is required. Consequently, the action is disallowed for the devices listed.

Action
Use the CASRSUM action to resume triplets including a cascaded diskless device. If an entire triplet is not accessible because a remote site has been lost or a remote link is down, specify the RCVRY option in the command.

EMCCX02I
RDF_SUSP action denied, R1 devices diskless

Cause
An #SC VOL command was issued with the RDF_RSUM or RNG_RSUM action. However, one or more primary devices is the range is diskless, and the command is not being issued in a recovery situation. For a diskless device not in a recovery situation, a composite action is required. Consequently, the action is disallowed for the devices listed.

Action
Use the CASSUSP action to resume triplets including a cascaded diskless device. If an entire triplet is not accessible because a remote site has been lost or a remote link is down, specify the RCVRY option in the command.

EMCCX03I
NADCOPY action but devices are cascaded
Cause
An #SC VOL command was issued with the NADCOPY action. However, one or more primary devices in the range is cascaded. For such a device, either adaptive copy disk mode or adaptive copy write pending mode is required; adaptive copy mode may not be removed. Consequently, the action is disallowed for the devices listed.

Action
None.

EMCCX04I
ADCOPY, devices are cascaded but not diskless

Cause
An #SC VOL command was issued with the ADCOPY action, which would put eligible devices into adaptive copy write pending mode. However, one or more primary devices in the range is cascaded and not diskless. Such a device must be in adaptive copy disk mode. Consequently, the action is disallowed for the devices listed.

Action
None.

EMCCX05I
ADCOPY_DISK, devices are cascaded diskless

Cause
An #SC VOL command was issued with the ADCOPY_DISK action, which would put eligible devices into adaptive copy disk mode. However, one or more primary devices in the range is cascaded and diskless. Such a device must be in adaptive copy write pending mode. The action is disallowed for the devices listed.

Action
None.

EMCCX06I
Resume action denied, R2 devices diskless

Cause
An #SC VOL command was issued with the RDF_RSUM or RNG_RSUM action. However, one or more secondary devices in the range is diskless, and the command is not being issued in a recovery situation. For a diskless device not in a recovery situation, a composite action is required. Consequently, the action is disallowed for the devices listed.

Action
Use the CASRSUM action to resume triplets including a cascaded diskless device. If an entire triplet is not accessible because a remote site has been lost or a remote link is down, specify the RCVRY option in the command.
EMCCX07I

RDF_SUSP action denied, R2 devices diskless

Cause
An #SC VOL command was issued with the RDF_RSUM or RNG_RSUM action. However, one or more secondary devices in the range is diskless, and the command is not being issued in a recovery situation. For a diskless device not in a recovery situation, a composite action is required. Consequently, the action is disallowed for the devices listed.

Action
Use the CASSUSP action to resume triplets including a cascaded diskless device. If an entire triplet is not accessible because a remote site has been lost or a remote link is down, specify the RCVRY option in the command.

EMCCX08E

Local device range includes invalid devices

Cause
An #SC VOL command was issued with a CREATEPAIR or CASCRE action. While validating local devices for the command, an invalid device was found. Consequently, the command has failed. (Devices such as power vault devices or null devices are treated as invalid.)

Action
If necessary, break up the local device range into multiple ranges that contain only valid devices.

EMCCX09I

Devices excluded by sync direction

Cause
An #SC VOL command was issued with an action which is valid only if a specific synchronization direction (R1>R2 or R1<R2) is in effect. Examples of such actions are REFRESH, VALIDATE, and INVALIDATE. However, for the devices listed, the synchronization direction in effect is incompatible with the action requested. The device is excluded from processing by the command.

Action
None. This is not necessarily an error condition.

EMCCX0AI

R2 devices not ready, cannot be set R/W
Cause
An #SC VOL command with the R/W action was issued. The R2 devices listed are in the requested range but were not ready, and consequently cannot be processed and have been skipped.

Action
If appropriate, issue an #SC VOL command with the RDY action for the devices listed. Then reissue the original command. Note that R2 device should be set R/W only in accordance with procedures documented in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.

EMCCX0BI

Devices skipped, already NADCOPY dev#

Cause
The listed devices have been excluded from processing because they are in the NADCOPY mode.

Action
Correct the command and retry.

EMCCX0CI

Devices skipped, already ADCOPY-WP

Cause
An #SC VOL command with the ADCOPY_WP action was issued but one or more devices in the requested range were already in the requested state.

Action
None.

EMCCX0DI

Devices skipped, already ADCOPY-DISK

Cause
An #SC VOL command with the ADCOPY_DISK action was issued but one or more devices in the requested range were already in the requested state.

Action
None.

EMCCX0EI

Group not specified for cascaded R21 device
**EMCCX0FI**

Group not specified for concurrent R2 device

**Cause**
An #SC VOL command was issued for an R21 device and the SRDF group was not provided.

**Action**
The SRDF group is required to identify the SRDF mirror. Specify the SRDF group in the command and retry.

**EMCCX10I**

Devices excluded, device or partner diskless

**Cause**
An #SC VOL command was issued with an action that is not applicable to devices that are diskless or whose remote partner is diskless. However, the devices listed or their remote partners are diskless, so the devices listed have been set as ineligible for the action. This determination may be made during the filtering phase of command processing, so it does not necessarily represent an error.

**Action**
If a device must be processed by the action because recovery processing is in effect, specify the RCVRY option if applicable. Otherwise, no action is required.

**EMCCX11I**

Devices excluded, partner R2 not R/O

**Cause**
An #SC VOL command was issued with an action which may not be processed when the R2 device of a pair is write-enabled. (For example, RDF_RSUM.) Consequently, the device is excluded from processing by the command.

**Action**
None. This is not an necessarily an error condition. However, it may be appropriate to issue an #SC VOL command with an R/O action so that the device is no longer write-enabled, and then reissue the command.
EMCCX12I

Devices excluded, partner R1 not RNR

Cause
An #SC VOL command with an action of INVALIDATE was issued to one or more R2 devices, and the R1 partners of those devices were not set to RDF-NRDY (RNR) status. It is required that the R1 be set to RNR state in order to prevent host I/O while the R1<R2 full volume resynchronization recovery procedure is being performed. See Recovery Procedure 6 in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.

This message is followed by a list of the R2 devices that were excluded.

Action
Issue a #SC VOL command to set the corresponding R1 devices to RDF-NRDY state and then re-issue the INVALIDATE for the excluded R2 devices.

EMCCX13I

Devices now R22, link block set on R2 mirrors

Cause
An #SC VOL command was issued with a SWAP or CREATEPAIR action that resulted in the creation of one or more R22 devices. However, for the devices listed, R22 validation to ensure a common R11 source device for the R22 devices has failed, so the R2 mirror that existed prior to the action has been blocked. For example, if a CREATEPAIR action results in a second R2 mirror, that second R2 mirror is blocked by the operating environment but no message is issued. The R22 device is then validated. If the R22 device is not valid (that is, it has no unique R11 source), the first R2 mirror, which existed prior to the CREATEPAIR action and which was not blocked before the CREATEPAIR, is now blocked and message EMCCX13I is issued.

Action
None

EMCCX14I

Devices no longer R22, link blocks cleared

Cause
An #SC VOL command was issued with a SWAP, HSWAP, DELETEPAIR, or HDELETEPAIR action that has resulted in each R22 device listed becoming an R2 or R21 device. The remaining R2 mirrors have been unblocked for the devices listed.

Action
None
EMCCX15I

Devices excluded, R2 partner copy-inhibited

Cause
An #SC VOL command was issued with a CREATEPAIR, SWAP, or RDF_RSUM action. However, for the devices listed, the action was disallowed because the Inhibit Outboard Copy flag was set. If the FORCE option was specified, the action will be processed for eligible devices.

Action
None.

EMCCX16I

Link-block switched on R22 for resume action

Cause
An SC VOL RDF_RSUM or CASRSUM action was processed. For the resumed R1 devices listed, the R22 partner was found to be link-blocked on the mirror on which SRDF replication was to be resumed. The link-block was removed on that mirror to allow replication to proceed. The other R2 mirror on the partner device is now link-blocked.

Action
None.

EMCCX17I

R1 devices excluded, not RNR

Cause
An SC VOL action that was directed to R1 devices could cause updating of R1 tracks from a partner R2 device. The action has been bypassed for the devices listed because they are in RDF_RDY state and could be written to simultaneously, possibly corrupting data on the R1 device.

Action
None.

EMCCX18I

R1 devices not eligible for action, skipped

Cause
An SC VOL action that applies only to R2 devices was issued, and the R1 devices listed were found in the range. The action has therefore been bypassed for these devices.
**EMCCX19I**

R2 devices not eligible for action, skipped

**Cause**
An SC VOL action that applies only to R1 devices was issued, and the R2 devices listed were found in the range. The action has therefore been bypassed for these devices.

**Action**
None.

**EMCCX1AI**

Group not specified for concurrent device

**Cause**
An #SC VOL command was issued for an R11 device and the SRDF group was not provided.

**Action**
The SRDF group is required to identify the SRDF mirror. Specify the SRDF group in the command and retry.

**EMCCX1DI**

Device is a TF/CLONE/SNAP target device

**Cause**
An #SC VOL command was issued and one or more devices in the requested range were the target of a local replication process.

**Action**
The action is not allowed while the device is the target of local replication.

**EMCCX1FI**

NADCOPY devices skipped, not eligible for action

**Cause**
An #SC VOL command with the ADC_MAX action was issued against a range of devices that included devices not in a Adaptive Copy operation mode. A list of PowerMax/VMAX device numbers/ranges that are not in an Adaptive Copy mode are displayed in subsequent lines of this multiline message.
EMCCX20I

**EMCCX20I**

**Action**
The devices that are not in an Adaptive Copy mode are excluded from the requested action.

**Cause**
An SRDF Host Component #SC VOL command with the USR_NRDY action was being processed. This action sets the storage system status of devices to user-not-ready (UNR). However, the devices listed have a storage system status of RDF-not-ready (RNR), and are ineligible to be set user-not-ready. These devices are consequently skipped. This is not an error condition; other eligible devices will still be processed by the command.

**Action**
None.

EMCCX21I

**EMCCX21I**

**Cause**
An SRDF Host Component #SC VOL command was being processed whose action (RDF_NRDY or USR_NRDY) sets the storage system status of devices to RDF-not-ready (RNR) or user-not-ready (UNR). However, the devices listed already have a storage system status of user-not-ready, and are therefore ineligible to be processed by the current action. The devices are consequently skipped. This is not an error condition; other eligible devices will still be processed by the command.

**Action**
None.

EMCCX22E

**EMCCX22E**

**Cause**
An SRDF Host Component #SC VOL command with the USR_RDY action was being processed. This action removes the user-not-ready (UNR) storage system status of devices. However, the devices listed do not have storage system status user-not-ready, and are therefore ineligible to be processed by the USR_RDY action. These devices are consequently skipped. This is not an error condition; other eligible devices will still be processed by the command.

**Action**
None.
EMCCX23I

R21->R2 pair suspended, R21 diskless, cannot ready R1

**Cause**

An SC VOL command with a VALIDATE or INVALIDATE action was issued to the paired devices whose pairs have synchronization direction R1>R2. However, for each device listed, the device pairs of which it is a member is the R1-R21 pair of a cascaded triplet in which the R21 device is diskless and each component device pair is suspended. In such a state, the R1-R21 device pair is prevented from becoming ready. For this reason, the action is suppressed for the devices listed.

**Action**

Perform the recovery procedure for the R21-R2 pairs of each cascaded triplet prior to performing the recovery procedure for the R1-R21 pairs. Alternatively, if operationally appropriate to your configuration and device status, you may perform a DELETEPAIR or HDELETEPAIR action against the R2 mirror of the R21 devices and then reissue the command.

EMCCX24I

R1 devices excluded, not RNR

**Cause**

An #SC VOL command was issued against a range of devices that included R1 devices that were not in an RNR state. The devices were skipped.

**Action**

If desired, issue the #SC VOL command with the RDF_NRDY action to set the R1 not ready to the host and re-issue the failing command.

**More Information**

Review the description of recovery procedures in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.

EMCCX25E

CSC is not responding request has timed out

**Cause**

A command was sent to another LPAR using the Mainframe Enablers Cross Systems Communication facility. Host Component waited 6 minutes for a response and then stopped waiting.

**Action**

Check the SCF address space for CSC messages that may indicate a problem with that facility. Resolve the CSC problem and then retry the action.
**EMCCX29I**

**TF (BCV) devices in Established or Restored state**

**Cause**
An SC VOL command was issued that included BCV devices that were in the Established or Restored state.

**Action**
The listed devices are skipped and the operation continues. Check the listed devices to see if further action is required.

**EMCCX2AE**

**Unable to determine Sync-direction**

**Cause**
An #SC VOL command was issued that required the sync-direction to be set in accordance with the requirements of the recovery procedures. SRDF Host Component was unable to determine the sync-direction that was applicable for the requested action.

**Action**
Verify that sync-direction is set for the appropriate direction. If the problem persists, contact the Dell EMC Customer Support Center for assistance.

**EMCCX2BI**

**Sync-direction not set**

**Cause**
An #SC VOL command was issued that required the sync-direction to be set in accordance with the requirements of the recovery procedures and the sync-direction was found to be set to NONE.

**Action**
Set the sync-direction for the appropriate direction.

**EMCCX2DI**

**Device(s) in the SoftFence state, skipped**

**Cause**
An #SC VOL command was issued and either the gatekeeper device or the target device was in a SoftFence state.

**Action**
The action is not allowed to be issued to a device in a SoftFence state.
EMCCX2EI

Write-enabled devices skipped, not eligible for action

Cause
An #SC VOL command was issued with the RDF_WR_ENABLE action but a requested device was already in a write-enabled state.

Action
The device is skipped and processing continues.

EMCCX2FI

Devices skipped, already RNR

Cause
An #SC VOL command was issued with the USR_NRDY action but a requested device was already in an RDF_NRDY state.

Action
The device is skipped and processing continues. If you wish to place the device in a USR_NRDY state, first use the RDF_RDY action to remove the RDF_NRDY state.

EMCCX30I

Guest OS device(s) skipped

Cause
An #SC VOL command was issued with the USR_RDY or USR_NRDY action but a requested device was Guest OS.

Action
The device is skipped and processing continues.

EMCCX31I

CKD device(s) skipped ccuu

Cause
This is confirmation that a #SC VOL command issued with the NOEXEC command action option did not process the listed devices.

Action
None.
EMCCX32I
Action denied, R1 device(s) diskless

Cause
An #SC VOL command was issued with the RFR_RSUM or RNG_RSUM action without the RCVRY option but the requested R1 device was diskless.

Action
The device is skipped and processing continues.

EMCCX33I
Action denied, R2 device(s) diskless

Cause
An #SC VOL command was issued with the RFR_RSUM or RNG_RSUM action without the RCVRY option but the requested R2 device was diskless.

Action
The device is skipped and processing continues.

EMCCX34E
I/O should be drained by box before DELETEPAIR

Cause
An SC VOL DELETEPAIR command was issued but the specified pair had an SRDF/A session with non-empty cycles. The DELETEPAIR action was canceled.

Action
Wait for the indicated condition to end and retry.

EMCCX35E
Action denied, R1 device(s) parallel clone

Cause
An #SC VOL command was issued with the DELETEPAIR action but a requested R1 device was involved in parallel clone. The DELETEPAIR action was cancelled.

Action
Wait until the completion of parallel clone processing for the listed device.

EMCCX36E
Action denied, R2 device(s) parallel clone
Cause
An #SC VOL command was issued with the DELETEPAIR action but a requested R2 device was involved in parallel clone. The DELETEPAIR action was cancelled.

Action
Wait until the completion of parallel clone processing for the listed device.

EMCCX37E

Action blocked, local device(s) undergoing expansion:

Cause
The indicated local devices were undergoing expansion and therefore the action was blocked.

Action
Wait until expansion is completed and attempt the command again, or deselect the offending devices from the action.

EMCCX38E

Action blocked, remote device(s) undergoing expansion:

Cause
The indicated remote devices were undergoing expansion and therefore the action was blocked.

Action
Wait until expansion is completed and attempt the command again, or deselect the offending devices from the action.

EMCCX39E

Device pair(s) no longer eligible due to expansion:

Cause
While device validation processing was ongoing, it was determined that an expansion completed and the devices listed are no longer valid for the action.

Action
Verify that the device pair requested meets size requirements for the action submitted.

EMCCX3AI

CREATEPAIR of R21 to R22, skip to synchronize R2
Cause
An #SC VOL command was issued with a CREATEPAIR action that resulted in the creation of the pair R21 to R22. #SC VOL does not start the synchronization from R21 to R22.

Action
None.

EMCCX3BE

CREATEPAIR mixed pairs, only some pairs would be R21 to R22.

Cause
The device pairs that a single #SC VOL command with the CREATEPAIR action can create are all "R21 to R22" or are all not "R21 toR22". The command cannot create pairs where some are "R21 to R22" and others that are not "R21 to R22". The CREATEPAIR action was cancelled.

Action
Review the device range specified and retry the CREATEPAIR action with the appropriate device range. If necessary, issue multiple #SC VOL commands with a CREATEPAIR action.

EMCCY02I

SEMI-SYNC not supported on control unit, using SYNC

Cause
An SC VOL command with a CREATEPAIR or SWAP action was issued specifying option SEMI-SYNC. However, the primary device of the new or swapped device pair resides on a storage system that does not support semi-synchronous replication mode. The action proceeds, but the device pair is in synchronous mode.

Action
None.

EMCCY03I

R/W and RDY specified, device pairs will be suspended

Cause
An SC VOL command with a CREATEPAIR action was issued specifying options R/W and RDY but not specifying option SUSPEND. The use of the R/W and RDY options together requires that the SUSPEND option be specified as well. Consequently, the SUSPEND option has been set internally.

Action
None.
EMCCY04I

ADCOPY_WP option not valid for config - converting to ADCOPY_DISK.

Cause
An SRDF Host Component command was issued with the ADCOPY_WP option specified, but ADCOPY_WP is not supported on the current configuration. ADCOPY_DISK was used instead.

Action
None.

EMCCY05I

DEACT_TO_ADCOPY invalid for config - converting to DEACT_TO_ADCOPY_DISK

Cause
An SRDF Host Component command was issued with the DEACT_TO_ADCOPY option specified, but DEACT_TO_ADCOPY is not supported on the current configuration. DEACT_TO_ADCOPY_DISK was used instead.

Action
None.

EMCCY10I

ADCOPY_WP option not valid for config - converting to ADCOPY_DISK.

Cause
The ADCOPY_WP option was specified on an SC VOL action, but is not supported in the configuration. Instead of failing the action, the ADCOPY_WP option has been converted to ADCOPY_DISK and the action processing continues.

Action
No action is required if the conversion to ADCOPY_DISK is acceptable. If the ADCOPY_DISK option is not wanted, do not specify the ADCOPY_WP (or ADCOPY) option on the command and there will be no conversion to ADCOPY_DISK. To turn off the ADCOPY_DISK, use the SC VOL NADCOPY command action.

EMCDD00D

--- variable data ---

Cause
This message follows EMCDD12D, and contains variable diagnostic data. This is a diagnostic message issued as a result of a Dell EMC API processing error.
Action
Collect the SRDF Host Component job log and contact the Dell EMC Customer Support Center for assistance.

EMCDD12D

R15= 00000018 EMCSAII/EMCSAIO DSECT(S) BELOW

Cause
This a diagnostic message issued as a result of a Dell EMC API processing error: This message is followed by EMCD00D, which provides variable diagnostic data.

Action
Collect the SRDF Host Component job log and contact the Dell EMC Customer Support Center for assistance.

EMCDD14E

FC03_CMD_XIT4 - RSN=xx, CMD=xx, PRM1=xxxxxxxx, PRM2=xxxxxxxx

Cause
An error occurred while trying to issue an #SC command to a storage system. This message is accompanied by another message that further defines the problem.

Action
Look for an accompanying message. If necessary, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

EMCDD17D

R15= xxxxxxxx yyyyyyy DSECT(S) BELOW

Cause
This a diagnostic message issued as a result of an error having been returned from an SRDF/A API request. This message is followed by EMCD00D, which provides variable diagnostic data.

Action
Collect the SRDF Host Component job log and contact the Dell EMC Customer Support Center for assistance.

EMCDU00E

RCVT NOT FOUND
EMCDU01E

**Cause**
The address of RCVT table is not found.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCDU02E

**Cause**
An SRDF subsystem ID (the one that you specified in your start task parameter file) is not found in the system.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCDU03E

**Cause**
The SSVT for SRDF Host Component was not found.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.
<table>
<thead>
<tr>
<th>EMCDU04E</th>
<th>RCVT FAILED VALIDATION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cause</strong></td>
<td>The RCVT table ID is invalid.</td>
</tr>
<tr>
<td><strong>Action</strong></td>
<td>Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.</td>
</tr>
</tbody>
</table>

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<tr>
<th>EMCDU05E</th>
<th>CNTLUNIT TABLE FAILED VALIDATION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cause</strong></td>
<td>The CNTLUNIT table ID is invalid.</td>
</tr>
<tr>
<td><strong>Action</strong></td>
<td>Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EMCDU06E</th>
<th>DEVICE TABLE FAILED VALIDATION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cause</strong></td>
<td>The DEVICE table ID is invalid.</td>
</tr>
<tr>
<td><strong>Action</strong></td>
<td>Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.</td>
</tr>
</tbody>
</table>

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<tr>
<th>EMCDU07E</th>
<th>SSID TABLE FAILED VALIDATION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cause</strong></td>
<td>The SSID table ID is invalid.</td>
</tr>
</tbody>
</table>
EMCDU08E

MESSAGE TABLE FAILED VALIDATION

Cause
The MESSAGE table ID is invalid.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCDU09E

VSAM FILE PARAMETER AREA FAILED VALIDATION

Cause
An internal error has been detected; the eye catcher for the VSAM FILE PARAMETER AREA is not correct.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCDU10I

TRC:xxxxxxxx xH.MM.SS xxxx x99 TCB:xxxxxxxx xxxx

Cause
A trace entry is being displayed from the DEBUG DUMP command.

Action
None.

EMCDU20E

HCTCB FAILED VALIDATION
EMCDU21E
RANGELST FAILED VALIDATION

Cause
An internal control block has been corrupted and was detected during a DEBUG DUMP command.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCDU22E
DEVMASK FAILED VALIDATION

Cause
An internal control block has been corrupted and was detected during a DEBUG DUMP command.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCDU23E
HCRQE FAILED VALIDATION

Cause
An internal control block has been corrupted and was detected during a DEBUG DUMP command.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the
problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**EMCDU24E**

**RAIDGRP FAILED VALIDATION**

**Cause**
An internal control block has been corrupted and was detected during a DEBUG DUMP command.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**EMCER01E**

**HOST COMPONENT INTERNAL ERROR error-string**

**Cause**
An error was detected which requires diagnosis and resolution by EMC.

**Action**
Report the error and the exact error string to the Dell EMC Customer Support Center. Make sure you have the SYSLOG, the job log, and all relevant job documentation available. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**EMCGM00E**

**SPECIFIED CUU NOT FOUND OR NOT A DIRECT ACCESS DEVICE**

**Cause**
For all SRDF Host Component commands that require specification of an MVS device, a specified cuu does not match any defined to the MVS image, or the device addressed by the specified cuu is not a direct access device.

**Action**
Issue an MVS'D U' operator command to determine if the device exists, and if it does, its device type. Reenter the command, specifying an existing direct access device.

**EMCGM01E**

**NOT AN EMC DEVICE, CUU=xxxx**
**EMCGM02E**

**Cause**
An #SQ VOL,p1,p2 or #SC VOL,p1,p2,p3 command was issued with p1=cuu and p3=dev# parameters to a device that is not a PowerMax/VMAX device.

**Action**
Issue an #SQ SSID,ALL command to make sure the device is not a PowerMax/VMAX device by checking the flag field. If the flag has indicated the device is a PowerMax/VMAX device, contact the Dell EMC Customer Support Center for technical assistance.

**EMCGM03E**

**Cause**
An #SQ Vol,p1,p2 command was issued with p1=cuu and p2=countparameters, but the storage system is not Symmetrix 5000.

**Action**
Run an #SQ SSID,ALL command to list all SSID(s) and then check the flag that is associated with the cuu to make certain that it is not a Symmetrix 5000 series. If it is, contact the Dell EMC Customer Support Center for technical assistance.

**EMCGM04E**

**Cause**
The storage system table ID is invalid.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.
EMCGM05E

MICROCODE LEVEL FOR THIS CONTROLLER IS BELOW THE MINIMUM REQUIREMENT

Cause
An SRDF Host Component command was issued to the storage system that has an operating environment level earlier than 5060.

Action
None.

EMCGM06W

Save the SCF trace dataset. Important diagnostic error information has been recorded.

Cause
An error has been encountered and important diagnostic information has been written to the SCF trace dataset concerning this error. This message follows other error messages when additional diagnostic information has been recorded to the SCF trace dataset for them.

Action
Save the SCF trace dataset and contact the Dell EMC Customer Support Center for technical assistance.

EMCGM07I

COMMAND COMPLETED

Cause
This message is issued when SRDF Host Component has completed a process of command.

Action
None.

EMCGM08E

DEVTABLE AT table-address FAILED VALIDATION

Cause
The DEVTABLE table ID is invalid.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**EMCGM09E**

**ERROR OCCURRED CREATING DEVTABLE**

**Cause**
Invalid data occurred.

**Action**
Check the information in “EMCGM08E.” Then contact the Dell EMC Customer Support Center for technical assistance.

**EMCGM10E**

**COMMAND ABORTED**

**Cause**
SRDF Host Component discontinued a process of the command due to one of the following conditions:

1. The operator responded to cancel the command.
2. Invalid data occurred.
3. For an #SC VOL command, after completion of filtering based on device state and attributes to ascertain those devices against which the command can appropriately be executed, no devices were found to be eligible.

For example, this message would be issued as a result of an RDF_RSUM action that specifies a device range and an SRDF group to which no devices in the specified range belong.

**Action**
Refer to those messages that displayed immediately before this one, or contact EMC Customer Support Center for technical assistance when necessary. If the message was issued for reason 3 above, SRDF Host Component will have already issued other messages giving specific reasons for the elimination of devices from consideration.

Note that for certain types of devices such as meta members, vault devices, COVD devices, and in some circumstances FBA devices, no such reason-specific message is issued. An example of a reason for eliminating a device from consideration is that the device does not belong to the SRDF group you specified in the command; the ID of the corresponding reason-specific message is EMCCV79I. There can be many reasons for eliminating a device from consideration: a device could be R2, have invalid tracks, be in a Star group, and so forth. Each different reason for not processing one or more devices has a different message. Note that the elimination of a device from consideration is not considered an error condition, but merely a result of the restrictions specified in or implied by the entered command. If all devices are eliminated from consideration, internal command processing ceases and message EMCGM10E is issued. Otherwise, the message does not appear and command processing proceeds against the remaining devices.
**EMCGM11I**

SRDF-HC DISPLAY FOR #SQ CNFG,...

**Cause**
An #SQ CNFG,... command was issued.

**Action**
None.

Refer to the #SQ CNFG command description in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for information on this display.

**EMCGM12E**

VOLUME MUST NOT BE RDF-SUSP, ACTION NOT PERFORMED FOR DEVICE symdv#

**Cause**
An #SC VOL,cuu,RDF_SUSP command was issued, and the volume was already suspended.

**Action**
Check the device number and status. Check the SYSLOG for previously issued #SC VOL commands. If the problem persists, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**EMCGM13E**

VOLUME IS NOT RDF-SUSP, ACTION NOT PERFORMED FOR DEVICE symdv#

**Cause**
An #SC VOL,cuu,RDF_RSUM command was issued for an R1 device that was not currently in an RDF-SUSP status.

**Action**
Use the #SQ VOL,cuu command to determine the status of the device.

**EMCGM14E**

ACTION FAILED FOR RDFCNFG FILE, RC/RS=xxxxxxxx,FEEDBACK=yyyyyyyy

**Cause**
An I/O request to the RDFCNFG file failed.
Action
Check to see that the RDFCNFG DD statement in the EMCINIT proc is correct and that the VSAM file is defined correctly. Check for any error message in the log and take appropriate action. If the problem persists, search Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

EMCGM16E

DEVTABLE ENTRY NOT FOUND

Cause
The address of DEVTABLE table cannot be found.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCGM17E

CUU xxxx IS FBA, UNABLE TO ACCESS USING THIS CUU

Cause
A Host Component command was issued, and the cuu specified (or the first cuu in the specified range) was an FBA device. The Host Component is unable to process the request using this device as the I/O path.

Action
Reenter the command specifying a non-FBA device as the cuu (or the first cuu in the range), or verify that the CONFIG_FBA is enabled in #SQ GLOBAL, and reissue the command.

EMCGM19E

PORT ACTION REQUIRES UCODE LEVEL AT LEAST 5977

Cause
A command was issued with the specified PORT action and the storage system was running operating environment level lower than 5977.

Action
Remove the PORT action parameter and resubmit the command.
**EMCGM20E**

SAICALL FAILED R15=xxxxxxxx RC=xxxx RS=xxxx CUU=xxxx

**Cause**
An error occurred in the Symmetrix API.

**Action**
When RC=0014 and RS=0051, the device specified in the SRDF Host Component command is not available to the host system. Check to see that the correct device number was specified and that the device is physically available. Enter a "D U" MVS operator command and ensure that the device status does not indicate “BOX.” Enter a “DEVSERV PATH” MVS operator command to ensure that there is at least one operational path to the device. For any other RC/RS combination, contact the Dell EMC Customer Support Center for technical assistance.

---

**EMCGM23E**

xxxxx I/O ERROR, INFO: aaaaaaaaa bbbbbbbb cccccccc dddddddd VID: eeeeeeee

**Cause**
An I/O error occurred in the Symmetrix API. In the message:

- **xxxxx**
  Indicates the MVS device number of the device to which the I/O was done.

- **aaaaaaaa**
  UCB address.

- **bbbbbbbb**
  R15 on return from the API.

- **cccccccc**
  Return code in the first 2 bytes and the reason code in the last 2 bytes.

- **dddddddd**
  r1 on return from the API.

- **eeeeeee**
  API function name.

**Action**
EMCGM20E discusses the interpretation of the return code and reason code contained in the cccccccc field.

---

**EMCGM24E**

CONTROL UNIT IS NOT FOR AN EMC DEVICE
**EMCGM25E**

**Cause**
A command was issued to an SSID(ssid), and the ssid is for a storage system that is not a Dell EMC storage system.

**Action**
Only issue commands using the SSID(ssid) for an ssid belonging to a Dell EMC storage system.

**EMCGM30E**

**Cause**
A command was issued to the storage system but the command failed. In the message, xx is the command code. If xx is 'BC' then yy will indicate the command that was being broadcast. aabb indicates the error codes that were returned by the storage system. text-msg indicates the reason for the failure.

**Action**
Look for subsequent messages that further describe the problem. If you are unable to resolve the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**EMCGM40I**

**Cause**
A configuration command was issued and has finished. This message indicates which storage system the command was executed on.

**Action**
None.
EMCGM41I

REQUESTED DEVICES dev#-dev#, dev#-dev#, ....

Cause
A configuration command was issued and has finished. This message indicates which PowerMax/VMAX device(s) the command was requested to execute on.

Action
None.

EMCGM42I

ELIGIBLE DEVICES dev#-dev#

Cause
A configuration command was issued. This message indicates which PowerMax/VMAX device(s) are eligible to be operated on by this command.

Action
None.

EMCGM43I

COMPLETED DEVICES

Cause
A configuration command was issued and has finished. This message indicates which PowerMax/VMAX device(s) the command was successfully executed on.

Action
None.

EMCGM44E

MESSAGE PROCESSING EXIT NOT AVAILABLE

Cause
An SC GLOBAL, MSGX, ON command was requested, but module EMCMSGX was not found in the SRDF Host Component linklib during subsystem initialization.

Action
Refer to the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide for more information about the message exit facility.
EMCGM45W

LOK | STG DE-REGISTER  ERROR: REQUESTED RESOURCE NOT REGISTERED

**Cause**
Lock registration and storage registration are used to support the Host Component resource manager. When Host Component gets a device lock or obtains CSA or SQA storage, it is registered as a resource. When it frees the lock or the storage, it de-registers the resources. At main task or address space termination, the resource manager gets control and attempts to free any locks and storage that has been registered. This prevents locks and common storage from being left orphaned. This error message indicates that, during the process of freeing a resource, a de-register was issued but the resource was not registered. This does not indicate that the requested resource, lock, or storage area was not freed; rather it indicates a problem tracking the resources.

**Action**
Collect diagnostic information and report this error to the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all job documentation.

EMCGM47I

Command environment x on box xxxxxxxxxxxxx

**Cause**
An #SC VOL command was issued with a composite action. Composite actions operate on devices or device pairs grouped according to the local storage system; each group is known as an environment for the composite action. This message specifies the storage system, identified by xxxxxxxxxxxxx in the message, which functioned as the local storage system for the devices listed in subsequent detail messages. The environment number appearing in the message serves as a sequence number for the processing environment, but otherwise has no special significance. It will usually (but not always) be the case that the remote storage system for environment 1 is the local storage system for environment 2.

**Action**
None.

EMCGM48I

Requested devices

**Cause**
An #SC VOL command was issued with a composite action. For the environment whose device details are currently being displayed, this message indicates those devices that have passed phase 1 filtering as described in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide. Other messages may appear describing the reasons for devices having been excluded during phase 1 filtering.
EMCGM49I

Eligible devices

Cause
An #SC VOL command was issued with a composite action. For the environment whose device details are currently being displayed, this message indicates those devices that have passed phase 2 filtering as described in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide. Other messages may appear describing the reasons for devices having been excluded during phase 2 filtering. Depending on the action requested and the reason for exclusion, processing may or may not proceed for the command issued. If processing proceeds, the devices processed are those listed in this message.

Action
None.

EMCGM4AI

Completed devices

Cause
An #SC VOL command was issued with a composite action. For the environment whose device details are currently being displayed, this message indicates those devices that have been successfully processed. Other messages may appear describing the reasons for devices having not been successfully processed.

Action
None

EMCGM4BI

Command environment {1|2} on boxes xxxxxxxxxxx-xxxxxxxxxxxx

Cause
An #SC VOL command was issued for a composite dynamic SRDF request and has completed. The message indicates the local and remote storage systems on which the devices processed by the command reside for the indicated environment. Messages preceding and following this message may appear listing devices that were eligible for processing, ineligible for processing, successfully processed, or unsuccessfully processed by the command.

Action
None. However, actions may be appropriate in response to other messages issued as a result of processing the command.
EMCGM4CI

Command has finished for boxes xxxxxxxxxxxxxxxxxxxxxxxxxxx

**Cause**
An #SC VOL command was issued for a dynamic SRDF request and has completed. The message indicates the local and remote storage systems on which the devices processed by the command reside. Messages preceding or following this message may appear listing devices that were eligible for processing, ineligible for processing, successfully processed, or unsuccessfully processed by the command.

**Action**
None. However, actions may be appropriate in response to other messages issued as a result of processing the command.

EMCGM4DI

Requested FBA Meta members

**Cause**
An #SC VOL command was issued and FBA meta head devices were found among the devices to be processed by the command. The corresponding FBA meta members were added to the list of requested devices.

**Action**
None.

EMCGM4EI

Eligible FBA Meta members

**Cause**
An #SC VOL command was issued and FBA meta head devices were found among the devices to be processed by the command. The corresponding FBA meta members were added to the list of requested devices and were successfully validated.

**Action**
None.

EMCGM4FI

Completed FBA Meta members

**Cause**
An #SC VOL command was issued and FBA meta head devices were found among the devices to be processed by the command. The corresponding FBA meta members were added to the list of requested devices and were successfully processed.
EMCGM51E

**CUU xxxx does not have a valid label**

**Cause**
An SC VOL command with the SUSP_CGRP action has been issued on the CUU with an invalid label.

**Action**
Specify CUU with a valid label and retry.

EMCGM52I

**Desired state devices**

**Cause**
An SC VOL command with the TDS option was issued and found the device(s) is in the desired state. The command processing for the device is skipped but tolerated as if command processing for the device is completed.

**Action**
None.

EMCGM81I

**SRDF-HC DISPLAY FOR #SQ ADC,...**

**Cause**
An #SQ ADC, cuu... command was requested.

**Action**
None.

**Note**
Refer to the #SQ ADC command description in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for information on this display.

EMCGM96I

**LOG FILE NOT DECLARED, COMMAND LOGGING WILL NOT BE DONE**

**Cause**
During Host Component initialization, it was determined that no DD statement was provided in the EMCINIT procedure to define the log file(s).
Action
No command logging is done.

**EMCGM99E**

UNEXPECTED CONDITION CODE= mmm/xxxx...

**Cause**
An unexpected condition has occurred in the SRDF Host Component. The mmm/xxxx... message contains diagnostic information.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**EMCGM9BI**

CANNOT USE UCB AT xxxxxxxxx - SYMDEVICE symdv# BECAUSE IT IS A VIRTUAL DEVICE

**Cause**
A virtual device is attempting to be used for an I/O path. Virtual devices cannot be used for an I/O path.

**Action**
Use a different device in the storage system.

**EMCGM9CE**

SSID_REFRESHMAXIMUM LOOP ERROR - FINAL CUU dddd

**Cause**
An internal logic problem has been detected.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**EMCGM9DI**

SSID_REFRESH LOOP COUNT xxxx

**Cause**
This message is issued to the HCLOG and is for diagnostic purposes only.
**EMCGM9EE**

**Action**
None.

**Cause**
This message was issued because a UCB has been dynamically moved from one storage system to another.

**Action**
When all dynamic swapping completes, issue an #SC GLOBAL,SSID_REFRESH command.

---

**EMCGM9FE**

SSID_REFRESH MUST BE ISSUED BEFORE DEVICE symdv# CAN BE USED

**Cause**
This message was issued because a UCB has been dynamically moved from one storage system to another.

**Action**
When all dynamic swapping completes, issue an #SC GLOBAL,SSID_REFRESH command.

---

**EMCGMA1E**

Host Component/SCF did not discover any EMC controllers.

**Cause**
The SRDF Host Component task has been started with no available Dell EMC systems. Consequently, the SRDF Host Component heartbeat task is unable to communicate.

**Action**
Check that not all MVS devices on Dell EMC storage systems have been excluded by SRDF Host Component and SCF exclude statements. Restart SRDF Host Component and SCF with a configuration that provides access to at least one storage system.

---

**EMCGMA2E**

No connected RDF directors found in group xxxx

**Cause**
A command was issued which was required to run on an SRDF director that is assigned to the specified SRDF group and which has connectivity to the remote
storage system associated with that SRDF group. None of the directors assigned to the SRDF group have connectivity to the remote storage system.

**Action**
Check the connectivity to the remote storage system. Check that all cables are tightly connected, and that the zoning is correct in any network switches. Issue an SQ RDFGRP, cuu,RA(xx) for the specified SRDF group. Only SRDF directors that have connectivity will display. Modify the RDF group to include directors with connectivity to the remote storage system. Use the SQ LINK or SQ CNFG commands to verify that directors assigned to the group are online. Use the SC LINK command to set offline directors to an online state.

**EMCGMA3E**

**Scratch area R/W error: message-text**

**Cause**
SRDF Host Component attempted to read or write to the storage system Scratch area and the attempt failed. In the message, *message-text* indicates the nature of the failure. *message-text* will be one of the following:

- **Read scratch area failed** - An attempt to read information from the scratch area failed.
- **Write scratch area failed** - An attempt to write information to the scratch area failed.
- **I/O timeout** - The I/O operation timed out.
- **FC01 failed** - An attempt to read the serial number and operating environment level on the gatekeeper failed.

If any other message appears or if the cause of this error is not apparent, collect SCF trace information for Dell EMC service personnel.

**Action**
Look for message EMCGMA4E to follow. This will indicate the serial numbers of the storage systems involved. Run #SQ RDFGRP commands for the groups in the hoplist. Make sure that the SRDF directors involved are online.

**EMCGMA4E**

**LSER: lcl-serial Hops: hoplist RSER:rmt-serial**

**Cause**
This message immediately follows message EMCGMA3E and indicates the storage systems involved in the error. In the message, *lcl-serial* indicates the storage system serial number of the locally attached storage system, *hoplist* indicates the hop list used to get to the remote system and *rmt-serial* indicates the storage system serial number of the remote storage system.

**Action**
Use this message to help diagnose the cause for message EMCGMA3E.
**EMCGMA6E**

Bad function code in MSPLFC = xxxx

**Cause**
Host Component message processing was called with an invalid parameter list.

**Action**
Capture the Host Component job log along with the raw SCF trace data.

**EMCGMA7E**

Message id not found in msgtbl : cccccccc

**Cause**
Host Component message processing was called with a message ID that could not be located in the message table. This could be the result of incomplete or incorrect maintenance having been applied. In the message, cccccccc identifies the message.

**Action**
Check that recent maintenance to Host Component was correctly and completely applied. If the problem persists, capture the Host Component job log along with the raw SCF trace data.

**EMCGMA8E**

MASK validation error for message cccccccc

**Cause**
Host Component message processing was called with an invalid device mask. cccccccc identifies the message.

**Action**
Capture the Host Component job log along with the raw SCF trace data.

**EMCGMA9E**

Non-zero return code from BLDRANGE = xxxxxxxx for message cccccccc

**Cause**
Host Component message processing was unable to convert the device mask to a list of device ranges. xxxxxxxx indicates the return code from the conversion routine and cccccccc identifies the message.

**Action**
Capture the Host Component job log along with the raw SCF trace data.
EMCGMAAE
Message buffer failed validation for message cccccccc

Cause
Host Component message processing detected an invalid message buffer. cccccccc identifies the message.

Action
Capture the Host Component job log along with the raw SCF trace data.

EMCGP00E
(stmt#) COMMAND ISSUED TO A GROUP WITHOUT ANY INCLUDED DEVICES

Cause
An SRDF Host Component command was issued to a group name, but after the includes and excludes were applied, there were no applicable devices.

Action
Review the group definition and determine why no devices were selected. In the message, stmt# identifies the line number in the initialization parameter file of the failing statement. (The message “EMCIN55I” provides more information.)

EMCGP01E
(stmt#) GETMAIN FAILED WHILE PROCESSING A GROUP COMMAND

Cause
An SRDF Host Component command was issued to a group name, but Host Component was unable to obtain “above the line” private storage to resolve the group.

Action
Restart Host Component with a larger region size. If the problem persists, contact the Dell EMC Customer Support Center for technical assistance. In the message, stmt# identifies the line number in the initialization parameter file of the failing statement. (The message “EMCIN55I” provides more information.)

EMCGP02E
(stmt#) NO EXCLUDES FOUND AND WE ARE NOT FOR VOLUME

Cause
Internal logic error.
### EMCGP03E

**{stmt#} WORKING DEVICE MASK NOT FOUND AFTER GETMAIN**

**Cause**
Internal logic error.

**Action**
Contact the Dell EMC Customer Support Center for technical assistance. In the message, **stmt#** identifies the line number in the initialization parameter file of the failing statement. (The message “EMCIN55I” provides more information.)

### EMCGP04E

**{stmt#} GROUP INTERNAL ERROR - ANYPAT FAILURE**

**Cause**
Internal logic error.

**Action**
Contact the Dell EMC Customer Support Center for technical assistance. In the message, **stmt#** identifies the line number in the initialization parameter file of the failing statement. (The message “EMCIN55I” provides more information.)

### EMCGP05E

**{stmt#} GROUP INTERNAL ERROR - ANYEVOL FAILURE**

**Cause**
Internal logic error.

**Action**
Contact the Dell EMC Customer Support Center for technical assistance. In the message, **stmt#** identifies the line number in the initialization parameter file of the failing statement. (“EMCIN55I” provides more information.)

### EMCGP06E

**{stmt#} GROUP INTERNAL ERROR - DVMASK_NOT FAILURE**

**Cause**
Internal logic error.
Action
Contact the Dell EMC Customer Support Center for technical assistance. In the message, stmt# identifies the line number in the initialization parameter file of the failing statement. (“EMCIN55I” provides more information.)

**EMCGP07E**

(\textit{stmt#}) GROUP INTERNAL ERROR - ADDIVOL"IMASK FAILURE

**Cause**
Internal logic error.

**Action**
Contact the Dell EMC Customer Support Center for technical assistance. In the message, \textit{stmt#} identifies the line number in the initialization parameter file of the failing statement. (“EMCIN55I” provides more information.)

**EMCGP08E**

(\textit{stmt#}) GROUP INTERNAL ERROR - ADDIVOL FAILURE

**Cause**
Internal logic error.

**Action**
Contact the Dell EMC Customer Support Center for technical assistance. In the message, \textit{stmt#} identifies the line number in the initialization parameter file of the failing statement. (“EMCIN55I” provides more information.)

**EMCGP09E**

(\textit{stmt#}) GROUP INTERNAL ERROR - DVMASK_AND FAILURE

**Cause**
Internal logic error.

**Action**
Contact the Dell EMC Customer Support Center for technical assistance. In the message, \textit{stmt#} identifies the line number in the initialization parameter file of the failing statement. (“EMCIN55I” provides more information.)

**EMCGP10E**

(\textit{stmt#}) GROUP INTERNAL ERROR - DO_SRDF_GRP FAILURE

**Cause**
Internal logic error.
Action
Contact the Dell EMC Customer Support Center for technical assistance. In the message, stmt# identifies the line number in the initialization parameter file of the failing statement. (“EMCIN55I” provides more information.)

EMCGP11E

(stmt#) GROUP INTERNAL ERROR - QUEUE_REQUESTS FAILURE

Cause
Internal logic error.

Action
Contact the Dell EMC Customer Support Center for technical assistance. In the message, stmt# identifies the line number in the initialization parameter file of the failing statement. (“EMCIN55I” provides more information.)

EMCGP12E

(stmt#) GROUP MAXIMUM SOURCE LENGTH REACHED

Cause
Internal logic error.

Action
Contact the Dell EMC Customer Support Center for technical assistance. In the message, stmt# identifies the line number in the initialization parameter file of the failing statement. (“EMCIN55I” provides more information.)

EMCGP13E

(stmt#) GROUP SPECIFIC VOLUME NOT FOUND

Cause
The INCLUDE_VOL statement specifies an invalid volume.

Action
Correct the volume name in the INCLUDE_VOL statement. In the message, stmt# identifies the line number in the initialization parameter file of the failing statement. (“EMCIN55I” provides more information.)

EMCGP14E

(stmt#) GROUP INTERNAL ERROR - @MASKSET FAILURE

Cause
Internal logic error.
Action
Contact the Dell EMC Customer Support Center for technical assistance. In the message, stmt# identifies the line number in the initialization parameter file of the failing statement. (“EMCIN55I” provides more information.)

EMCGP15E

(stmt#) GROUP PATTERN NEEDS AT LEAST ONE SIGNIFICANT DIGIT

Cause
A pattern was specified for an INCLUDE_VOL or EXCLUDE_VOL without a single significant character. The pattern would not match anything.

Action
Correct the statement so the pattern matches at least one character. In the message, stmt# identifies the line number in the initialization parameter file of the failing statement. (“EMCIN55I” provides more information.)

EMCGP16I

INVALID DEVICE nnnn IN GROUP xxxxxxxx

Cause
An INCLUDE_RAG or EXCLUDE_SYM statement is being processed, and the MVS device number nnnn is not valid. The group xxxxxxxx cannot be built with this statement.

Action
EMCGP17R provides more information.

EMCGP17R

ENTER STOP OR CONTINUE

Cause
Refer to messages “EMCGP16I” or “EMCGP18E”.

Action
Reply STOP to immediately stop Host Component. Reply CONTINUE to ignore the error specified in “EMCGP16I” or “EMCGP18E”.

EMCGP18E

EXCLUDED DEVICE nnnn IN GROUP xxxxxxxx WILL NOT BUILD GROUP

Cause
An INCLUDE_RAG or EXCLUDE_SYM statement is being processed, and the MVS device number nnnn is an excluded MVS device number. The group xxxxxxxx cannot be built with this statement.
Action
EMCGP17R provides more information.

**EMCHB03W**

REMOTE HOST COMPONENT STOPPED CommunicATING, RA GROUP xx

**Cause**
This message is only issued when diagnostics are on.

**Action**
None.

**EMCHB04I**

HEARTBEAT TASK ALREADY ACTIVE

**Cause**
The undocumented command to activate the heartbeat task was issued, and the heartbeat task was already active.

**Action**
None.

**EMCHB05I**

HEARTBEAT TASK NOT ACTIVE

**Cause**
The undocumented command to deactivate the heartbeat task was issued, and the heartbeat task was not active.

**Action**
None.

**EMCHB06I**

HEARTBEAT TASK SUSPENDED

**Cause**
The undocumented command to deactivate the heartbeat task was issued, and the heartbeat task is now not active.

**Action**
None.
EMCHB07I

HEARTBEAT TASK RESUMED

Cause
The undocumented command to activate the heartbeat task was issued, and the heartbeat task is now active.

Action
None.

EMCHnnnl

SYNTAX FOR xxxxxxxx

Cause
A HELP SYNTAX command was issued, where xxxxxxxx is the command that was requested. The corresponding EMCH message displays the command syntax.

Action
None.

EMCIN00E

OPEN FOR RDFPARM FAILED

Cause
Unable to open the SRDF initialization parameter file during the SRDF initialization process.

Action
Check your started task JCL to ensure the “RDFPARM” ddname points to the correct dataset (SRDF initialization parameter file). If it does, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

EMCIN01E

FIRST NON-COMMENT LINE MUST BE SUBSYSTEM_NAME

Cause
During the initialization process, the system has detected that the first keyword is not “SUBSYSTEM_NAME” in the SRDF Host Component initialization parameter file.
EMCIN02E

SUBSYSTEM NAME name NOT FOUND

Cause
The subsystem name that you have specified on “SUBSYSTEM_NAME” in the SRDF initialization parameter file is not found in z/OS.

Action
Check the IEFSSNxx member in the SYS1.PARMLIB library to make certain that your subsystem name has been defined to MVS. If it has been defined, contact your system programmer and ask him or her to investigate the problem. If the problem cannot be resolved, search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

EMCIN03I

EMC SUBSYSTEM USING COMMAND PREFIX prefix

Cause
The system informs you that it is using the specified command prefix previously defined in your SRDF initialization parameter file.

Action
None.

EMCIN04E

INVALID PARM ON SECURITY_QUERY KEYWORD

Cause
During the system initialization process, the system has detected that the invalid text has been specified on the SECURITY_QUERY keyword.

Action
Check your SRDF initialization parameter file to make sure that the specified text on the SECURITY_QUERY is correct. If it is, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
EMCIN05E

INVALID PARM ON SECURITY_CONFIG KEYWORD

Cause
During the system initialization process, the system has detected that the invalid text has been specified on the SECURITY_CONFIG keyword.

Action
Check your SRDF initialization parameter file to make sure that the specified text on the SECURITY_CONFIG is correct. If it is, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

EMCIN06E

INVALID PARM ON MESSAGE_PROCESSING KEYWORD

Cause
During the system initialization process, the system has detected that the invalid text has been specified on the MESSAGE_PROCESSING keyword.

Action
Check your SRDF initialization parameter file to make sure that the specified text on the MESSAGE_PROCESSING is correct. If it is, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

EMCIN08E

KEYWORD keyword IS INVALID, WILL BE IGNORED

Cause
The keyword that you have used in your SRDF initialization parameter file is incorrect.

Action
Check your SRDF initialization parameter file against your user manual, and then correct the mistake.

EMCIN10I

Cascaded SRDF is { licensed | unlicensed }
Cause
Host Component has ascertained the status of Cascaded SRDF feature licensing. If 'unlicensed' appears, CREATEPAIR and SWAP actions that create cascaded (R21) devices will be suppressed and an appropriate message will be issued. If 'licensed' appears, actions that create cascaded devices will be allowed to proceed.

Action
None

EMCIN11E

SUBSYSTEM subsystem IN USE

Cause
The subsystem that you have defined in your SRDF initialization parameter file is in use.

Action
If you intend to start another SRDF session, use a different subsystem name.

EMCIN12E

Invalid MSC_SQAR|STAR-A statement

Cause
The partner SQAR or Star-A group name was not specified.

Action
Add the name of the partner SQAR or Star-A group to the MSC_SQAR statement (after the ConGroup name for SQAR).

EMCIN13E

Invalid MSC_SQAR|STAR-A partner name group_name

Cause
The group name of the partner SQAR/Star-A group is invalid.

Action
Correct the partner SQAR/Star-A name on the MSC SQAR/Star-A statement. It must conform to the same criteria as the MSC group name.

EMCIN14E

ONE OR MORE REQUIRED KEYWORDS WERE NOT SPECIFIED

Cause
One or more required keywords were not specified in your SRDF initialization parameter file.
Action
Check your SRDF initialization parameter file against your user manual, and then correct the mistake.

EMCIN15W

MESSAGE INTERFACE SETUP FAILED RC _______

Cause
During the initialization process, the MSGSERV load module was not found in the APF library.

Action
Check the APF library to see if the MSGSERV load module is missing. If it is, restore it from the SRDF installation tape.

EMCIN16I

MESSAGE INTERFACE INITIALIZED

Cause
The system informs you that the message interface routine has been enabled.

Action
None.

EMCIN17E

SUBSYSTEM INITIALIZATION FAILED

Cause
The initialization process failed.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation.

EMCIN18E

INVALID PARM ON OPERATOR_VERIFY KEYWORD

Cause
The OPERATOR_VERIFY initialization parameter statement was specified, but the value did not match one of the valid options.

Action
Correct the initialization parameter statement, and restart the Host Component.
EMCIN19E

MESSAGE PROCESSING TABLE SIZE INVALID

Cause
The MESSAGE_PROCESSING initialization parameter was specified with a value for the message log size; however, the value was specified incorrectly.

Action
Specify a value in the range from 1 to 512.

EMCIN21W

INSUFFICIENT CSA STORAGE TO ALLOCATE MESSAGE TABLE FEATURE DISABLED

Cause
The MESSAGE_PROCESSING=YES initialization parameter was specified; however, not enough CSA storage is available to hold the message table. Initialization continues as if MESSAGE_PROCESSING=NO was requested.

Action
Either decrease the number of entries in the message table or change your z/OS initialization parameters to increase the amount of available CSA.

EMCIN22E

SYNCH_DIRECTION_ALLOWED INVALID

Cause
The SYNCH_DIRECTION_ALLOWED parameter was included in the initialization parms; however, the value specified was not one of the valid options.

Action
Review the initialization parameters, and correct the error.

EMCIN23E

SYNCH_DIRECTION_INIT INVALID

Cause
The SYNCH_DIRECTION_INIT parameter was included in the initialization parms; however, the value specified was not one of the valid options.

Action
Review the initialization parameters, and correct the error.
EMCIN24E

SYNCH_DIRECTION_INIT CONFLICTS WITH SYNCH_DIRECTION_ALLOWED

Cause
The SYNCH_DIRECTION_INIT parameter was included in the initialization parms; however, the value specified conflicts with the value specified for the SYNCH_DIRECTION_ALLOWED parameter.

Action
Review the initialization parameters, and correct the error.

EMCIN25E

EXCLUDE_DEVICE_RANGE INVALID RANGE SPECIFIED, bad-range

Cause
An EXCLUDE_DEVICE_RANGE parameter was encountered in the initialization parameters, and an invalid value was specified for the range.

Action
Correct the bad range, and restart the SRDF Host Component.

EMCIN26E

GETMAIN FAILED FOR EXCLUDED DEVICE LIST

Cause
A request for storage for the EXCLUDED DEVICE TABLE failed due to insufficient storage.

Action
Check the REGION size for the SRDF Host Component. Check with your systems programmer.

EMCIN27E

TOO MANY EXCLUDED DEVICE RANGES REQUESTED

Cause
More than 128 EXCLUDE DEVICE RANGE lines were found in the initialization parameters.

Action
Correct the initialization parameters, and restart Host Component.
EMCIN28W

SYNTAX ERROR ON ALIAS= RECORDS, ENTRY............

Cause
The entry for an ALIAS= is incorrect.

Action
Review the initialization parameters, and correct the error.

EMCIN29E

INSUFFICIENT PRIVATE STORAGE FOR ALIAS TABLE

Cause
ALIAS= entries were specified; however, there is not enough private storage to be allocated for the ALIAS table.

Action
Check the REGION size for SRDF Host Component. If the region size appears to be large enough, check with your systems programmer, or contact the Dell EMC Customer Support Center for technical assistance.

EMCIN2AI

DISPLAY_MODE is invalid, defaulting to ON

Cause
The DISPLAY_MODE initialization parameter was specified with an invalid value.

Action
Specify DISPLAY_MODE=xxxx, where xxxx is a either 4BYTE_ON or 4BYTE_OFF.

EMCIN2BI

DISPLAY_MODE was unspecified, defaulting to ON

Cause
The DISPLAY_MODE initialization parameter was not specified.

Action
The DISPLAY_MODE initialization parameter was not specified and will default to 4BYTE_ON.
EMCIN30W

LENGTH OF SAF PROFILE RESOURCE NAME CANNOT BE MORE THAN 35 CHARACTERS. THE APPEND_COMMAND=YES IGNORED

Cause
SAF_PROFILE= and APPEND_COMMAND=YES subparameters were specified; however, the number of characters of the resource profile name is more than 35.

Action
Reduce the number of characters of the resource profile name, and then restart SRDF Host Component.

EMCIN31E

RACF IS NOT ACTIVE. SRDF HOST COMPONENT TERMINATED

Cause
Either SECURITY_QUERY=SAF or SECURITY_CONFIG=SAF was specified, but RACF is not active.

Action
Check with your systems programmers to ensure that RACF is not installed. If RACF is not installed, do not specify SECURITY_QUERY=SAF or SECURITY_CONFIG=SAF. If RACF is installed, contact the Dell EMC Customer Support Center for technical assistance.

EMCIN32E

RACF RCVT IS ZERO. SRDF HOST COMPONENT TERMINATED

Cause
Either SECURITY_QUERY=SAF or SECURITY_CONFIG=SAF was specified; however, RACF CVT is zero but RACF is active.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCIN33E

THE RELEASE OF RACF BELOW 1.9. SAF NOT SUPPORTED

Cause
Either SECURITY_QUERY=SAF or SECURITY_CONFIG=SAF was specified; however, the release of RACF is below 1.9. Therefore, SAF is not supported.
Action
Do not specify SECURITYQUERY=SAF or SECURITYCONFIG=SAF, and restart SRDF Host Component.

EMCIN37E

INVALID VALUE SPECIFIED ON SMFREC PARAMETER

Cause
The SMFREC initialization parameter was specified; however the value provided for the SMF record number was not a decimal number in the range of from 128 to 255.

Action
Correct the SMFREC parameter statement, and restart Host Component.

EMCIN38E

UNABLE TO OBTAIN STORAGE FOR SMF BUFFER

Cause
The SMFREC initialization parameter was specified; however, Host Component was unable to obtain enough private area storage.

Action
Increase the region size.

EMCIN40E

INVALID VALUE SPECIFIED ON HCLOG PARAMETER

Cause
The HCLOG initialization parameter was specified; however, an invalid option was selected.

Action
Initialization continues using the default value. Correct the HCLOG initialization parameter, and restart Host Component.

EMCIN42E

INVALID VALUE SPECIFIED ON MESSAGE_LABELS PARAMETER

Cause
The MESSAGE_LABELS initialization parameter was specified; however, an invalid option was selected.

Action
Initialization continues using the default value. Correct the MESSAGE_LABELS initialization parameter, and restart Host Component.
EMCIN43E

INVALID VALUE SPECIFIED ON FBA_ENABLE PARAMETER

Cause
The FBA_ENABLE initialization parameter was specified, and an invalid value was supplied. Host Component initialization continues with the default value for this parameter.

Action
Correct the FBA_ENABLE initialization parameter, and restart Host Component.

EMCIN45E

INVALID VALUE SPECIFIED ON MAX_QUERY PARAMETER

Cause
A nonnumeric value, a value less than 1, or a value greater than 8192 was specified and is not valid.

Action
Specify a value greater than zero and less than 8193.

EMCIN46E

INVALID VALUE SPECIFIED ON MAX_ALIAS PARAMETER

Cause
The MAX_ALIAS initialization parameter was specified with an invalid value.

Action
Specify MAX_ALIAS=nnnn, where nnnn is a decimal integer in the range of from 200 to 4095.

EMCIN47E

MAX_ALIAS MUST PRECEDE FIRST ALIAS STATEMENT

Cause
The MAX_ALIAS initialization parameter did not precede the first alias statement.

Action
Move the MAX_ALIAS initialization parameter so that it appears before the first alias statement.
EMCIN48E

NUMBER OF ALIAS STATEMENTS EXCEEDS MAX_ALIAS VALUE

Cause
More alias statements appear in the initialization parameter file than are specified in the MAX_ALIAS parameter, or the MAX_ALIAS parameter is missing and more than 200 alias statements were found.

Action
Increase the value for the MAX_ALIAS parameter, or remove some of the ALIAS statements.

EMCIN49E

INVALID VALUE SPECIFIED ON MAX_COMMANDQ PARAMETER

Cause
The MAX_COMMANDQ initialization parameter was specified with an invalid value.

Action
Specify MAX_COMMANDQ=nnnn, where nnnn is a decimal integer in the range of 1 to 4096.

EMCIN4AE

INVALID VALUE SPECIFIED ON MAX_TRACK_CMDS PARAMETER

Cause
The MAX_TRACK_CMDS parameter was specified with an invalid value.

Action
Correct the value specified. Valid values are 1 - 4096.

EMCIN4BE

INVALID VALUE SPECIFIED ON MESSAGE_EMC9998W PARAMETER

Cause
The MESSAGE_EMC9998W parameter was specified with an invalid value. Host Component initialization is terminated.

Action
Check the specification of the MESSAGE_EMC9998W parameter. Valid values are YES, NO, or HCLOG. Fix the specification and restart Host Component.
EMCIN50E

INVALID VALUE SPECIFIED ON SHOW_COMMAND_SEQ# PARAMETER

Cause
The SHOW_COMMAND_SEQ# initialization parameter was specified with an invalid value.

Action
Specify SHOW_COMMAND_SEQ#=YES|NO.

EMCIN51E

COMMAND PREFIX REGISTRATION FAILED: text

Cause
The text displays the corresponding error text string listed below with the causes and actions for each.

ILLEGAL PREFIX
Command prefix registration was requested and the request failed. The requested command was not legal.

Verify that the requested command prefix is valid. Issue an MVS command D OPDATA to identify any conflicts. Change the selected prefix as necessary and try again. If a system error is indicated, contact the Dell EMC Customer Support Center for assistance.

PREFIX IN USE
Command prefix registration was requested and the request failed. The requested prefix is already in use by another subsystem.

Verify that the requested command prefix is valid. Issue an MVS command D OPDATA to identify any conflicts. Change the selected prefix as necessary and try again. If a system error is indicated, contact the Dell EMC Customer Support Center for assistance.

CONFLICTING PREFIX
Command prefix registration was requested and the request failed. The requested prefix is either a subset or a superset of an existing registered prefix.

Verify that the requested command prefix is valid. Issue an MVS command D OPDATA to identify any conflicts. Change the selected prefix as necessary and try again. If a system error is indicated, contact the Dell EMC Customer Support Center for assistance.

SYSTEM ERROR RC=xx, R0=xxxxxxxx
Command prefix registration was requested and the request failed. The command prefix registration failed due to a system error.

Verify that the requested command prefix is valid. Issue an MVS command D OPDATA to identify any conflicts. Change the selected prefix as necessary and try again. If a system error is indicated, contact the Dell EMC Customer Support Center for assistance.
**EMCIN52E**

**COMMAND PREFIX DELETE FAILED: text**

**Cause**
The text displays the corresponding error text string listed below with the causes and actions for each.

**ILLEGAL PREFIX**
Command prefix deregistration failed. The requested command prefix was not legal.
Issue an MVS 'D OPDATA' command and contact the Dell EMC Customer Support Center for technical assistance.

**PREFIX NOT REGISTERED**
Command prefix deregistration failed. The requested prefix is not registered.
Issue an MVS 'D OPDATA' command and contact the Dell EMC Customer Support Center for technical assistance.

**SYSTEM ERROR RC=xx,R0=xxxxxxxx**
Command prefix deregistration failed. The command prefix deregistration failed due to a system error.
Issue an MVS 'D OPDATA' command and contact the Dell EMC Customer Support Center for technical assistance.

**Action**
See the actions listed above for each error string.

---

**EMCIN53E**

**INVALID COMMAND_PREFIX INITIALIZATION PARAMETER**

**Cause**
During SRDF Host Component initialization, a COMMAND_PREFIX parameter statement contained an error.

**Action**
Review the COMMAND_PREFIX parameter in the initialization parameters. Consult the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for the correct syntax. Correct the error, and submit the command again.

---

**EMCIN54E**

**INVALID PARM for REGISTER_COMMAND_PREFIX**

**Cause**
The REGISTER_COMMAND_PREFIX= initialization parameter was specified, but the value specified was not YES or NO.
Action
Specify the parameter value again as either YES or NO.

EMCIN55I

 stmt# initialization text statement

Cause
During SRDF Host Component startup, initialization parameters are displayed in the HCLOG file. In the message, stmt# identifies the line number in the initialization parameter file.

Action
None. This message is informational and may be used to aid in diagnosing initialization parameter errors.

EMCIN56E

INVALID AUTO_RECOVER PARAMETER

Cause
An invalid automated recovery parameter (SRDFA_AUTO_RECOVER) was detected.

Action
Check the SRDF Host Component log to determine the parameter error. This message will be displayed immediately after the invalid parameter.

EMCIN57E

INVALID AUTO_RECOVER_ITRK VALUE

Cause
An invalid value was found for SRDFA_AUTO_RECOVER_ITRK (or ITRK in MSC_INCLUDE_SESSION). Allowable values are 0-999999.

Action
Correct the SRDFA_AUTO_RECOVER_ITRK value and either issue a GLOBAL,PARM-refresh command or restart SRDF Host Component.

EMCIN58E

INVALID AUTO_RECOVER_BCV OPTION

Cause
An invalid option was specified for SRDFA_AUTO_RECOVER_BCV (or BCV in MSC_INCLUDE_SESSION). Allowable states are EST or NONE.

Action
Correct the parameter and either issue a GLOBAL,PARM_REFRESH or restart SRDF Host Component.
EMCIN59E

INVALID AUTO_RECOVER_MINDIR VALUE

Cause
An invalid value was detected for SRDFA_AUTO_RECOVER_MINDIR (or MINDIR in MSC_INCLUDE_SESSION). Allowable values are 1-255.

Action
Correct the parameter and either issue a GLOBAL,PARM_REFRESH or restart SRDF Host Component.

EMCIN5AE

INVALID AUTO_RECOVER_PROC PARAMETER

Cause
An invalid procedure name was detected for SRDFA_AUTO_RECOVER_PROC. An EBCDIC name from 1 to 8 characters is allowed.

Action
Correct the parameter and either issue a GLOBAL,PARM_REFRESH or restart Host Component.

EMCIN60E

(stmt#) GROUP_NAME= SPECIFIED WITHOUT A VALID NAME SPECIFIED

Cause
The GROUP_NAME parameter was specified in the initialization parameters; however, a valid group name was not specified. stmt# identifies the line number in the initialization parameter file of the failing statement. (“EMCIN55I” provides more information.)

Action
Correct the group name, and restart SRDF Host Component.

EMCIN61E

(stmt#) GROUP_NAME= SPECIFIED WITH A NAME LONGER THAN 24 CHARACTERS

Cause
The GROUP_NAME parameter was specified in the initialization parameters; however, the length of the specified group name exceeded 24 characters. stmt# identifies the line number in the initialization parameter file of the failing statement. (“EMCIN55I” provides more information.)

Action
Correct the group name, and restart SRDF Host Component.
EMCIN62E

(group#1:group#2) GROUP_NAME= SPECIFIED WITH A DUPLICATE NAME

**Cause**
More than one GROUP_NAME statement in the initialization parameters appears with the same specified group name. *stmt#1* and *stmt#2* identify the line numbers in the initialization parameter file of the statements that have duplicate group names. ("EMCIN55I" provides more information.)

**Action**
Change the GROUP_NAME statements so that your group names are unique.

EMCIN63E

(group#) GETMAIN FAILURE FOR A GROUP CONTROL BLOCK

**Cause**
During SRDF Host Component initialization processing, an attempt failed to obtain "above the line" private storage for group information. *stmt#* identifies the line number in the initialization parameter file of the failing statement. ("EMCIN55I" provides more information.)

**Action**
Restart SRDF Host Component with a larger region size. If the problem persists, contact the Dell EMC Customer Support Center for technical assistance.

EMCIN64E

(group#) INCLUDE_CUU SPECIFIED WITHOUT A VALID CUU

**Cause**
A group definition in the initialization parameters specified the INCLUDE_CUU keyword, but a valid MVS device number was not supplied. *stmt#* identifies the line number in the initialization parameter file of the failing statement. ("EMCIN55I" provides more information.)

**Action**
Change the INCLUDE_CUU specification to provide a valid MVS device number, and restart SRDF Host Component.

EMCIN65E

(group#) INCLUDE_VOL SPECIFIED WITHOUT A VALID VOLSER

**Cause**
A group definition in the initialization parameters specified the INCLUDE_VOL keyword, but a valid volume serial was not supplied. *stmt#* identifies the line number in
the initialization parameter file of the failing statement. ("EMCIN55I" provides more information.)

**Action**

Change the INCLUDE_CUU specification to provide a valid volume serial, and restart SRDF Host Component.

---

**EMCIN66E**

```
(stmt#) EXCLUDE_CUU SPECIFIED WITHOUT A VALID CUU
```

**Cause**

A group definition in the initialization parameters specified the EXCLUDE_CUU keyword, but a valid z/OS device number was not supplied. *stmt#* identifies the line number in the initialization parameter file of the failing statement. ("EMCIN55I" provides more information.)

**Action**

Change the EXCLUDE_CUU specification to provide a valid MVS device number, and restart SRDF Host Component.

---

**EMCIN67E**

```
(stmt#) EXCLUDE_VOL SPECIFIED WITHOUT A VALID VOLSER
```

**Cause**

A group definition in the initialization parameters specified the EXCLUDE_VOL keyword, but a valid volume serial was not supplied. *stmt#* identifies the line number in the initialization parameter file of the failing statement. ("EMCIN55I" provides more information.)

**Action**

Change the EXCLUDE_VOL specification to provide a valid volume serial, and restart SRDF Host Component.

---

**EMCIN68E**

```
(stmt#) GROUP_NAME= SPECIFIED WITHOUT A VALID INCLUDE/EXCLUDE SPECIFIED OR MISSING GROUP_END
```

**Cause**

A group definition in the initialization parameters was incomplete. Either no INCLUDE or EXCLUDE statements were provided, or a GROUP_END statement is missing. *stmt#* identifies the line number in the initialization parameter file of the failing statement. ("EMCIN55I" provides information.)

**Action**

Add the required initialization statements to complete the group definition, and restart SRDF Host Component.
EMCIN69E

(Group End Found Without A Valid Include/Exclude)

Cause
A GROUP_END statement was found in the initialization parameters without a preceding INCLUDE/EXCLUDE statement. stmt# identifies the line number in the initialization parameter file of the failing statement. (“EMCIN55I” provides more details.)

Action
Add the required initialization statements to complete the group definition, and restart SRDF Host Component.

EMCIN70E

(Invalid Data Found While Processing Include_Cuu)

Cause
An INCLUDE_CUU (or EXCLUDE_CUU) statement was specified incorrectly in the initialization parameters. stmt# identifies the line number in the initialization parameter file of the failing statement. (Message EMCIN55I provides more details.)

Action
Correct the INCLUDE_CUU (or EXCLUDE_CUU) specification, and restart SRDF Host Component.

EMCIN71E

(Invalid Ra Number Found While Processing Include_Rag)

Cause
An INCLUDE_RAG statement was specified incorrectly in the initialization parameters. stmt# identifies the line number in the initialization parameter file of the failing statement. (EMCIN55I provides more details.)

Action
Correct the invalid SRDF group number in the INCLUDE_RAG specification, and restart SRDF Host Component.

EMCIN72E

(Invalid Cuu Found While Processing Include_Rag)

Cause
An INCLUDE_RAG statement was specified with an invalid CUU number in the initialization parms. stmt# identifies the line number in the initialization parameter file of the failing statement. (“EMCIN55I” provides more details.)
Action
Correct the invalid CUU number in the INCLUDE_RAG specification, and restart SRDF Host Component.

EMCIN73E

(stmt#) INVALID DATA FOUND WHILE PROCESSING INCLUDE_RAG

Cause
An INCLUDE_RAG statement was specified with invalid data in the initialization parameters. stmt# identifies the line number in the initialization parameter file of the failing statement. (“EMCIN55I” provides more information.)

Action
Correct the INCLUDE_RAG specification, and restart SRDF Host Component.

EMCIN74E

(stmt#) INVALID SYM DEVICE NUMBER FOUND WHILE PROCESSING EXCLUDE_SYM

Cause
An EXCLUDE_SYM statement was specified with an invalid PowerMax/VMAX device number in the initialization parameters. stmt# identifies the line number in the initialization parameter file of the failing statement. (“EMCIN55I” provides more information.)

Action
Correct the PowerMax/VMAX device number in the EXCLUDE_SYM specification, and restart SRDF Host Component.

EMCIN75E

(stmt#) INVALID CUU FOUND WHILE PROCESSING EXCLUDE_SYM

Cause
An EXCLUDE_SYM statement was specified with an invalid CUU number in the initialization parameters. stmt# identifies the line number in the initialization parameter file of the failing statement. (“EMCIN55I” provides more details.)

Action
Correct the invalid CUU number in the EXCLUDE_SYM specification, and restart SRDF Host Component.

EMCIN76E

(stmt#) INVALID DATA FOUND WHILE PROCESSING EXCLUDE_SYM

Action
Correct the invalid data in the EXCLUDE_SYM specification, and restart SRDF Host Component.
Cause
An EXCLUDE_SYM statement was specified with invalid data in the initialization parameters. stmt# identifies the line number in the initialization parameter file of the failing statement. ("EMCIN55I" provides more details.)

Action
Correct the EXCLUDE_SYM specification, and restart SRDF Host Component.

EMCIN77E

(stmt#) LOW SYM DEVICE NUMBER FOUND HIGH WHILE PROCESSING EXCLUDE_SYM OR MISSING ( )

Cause
An EXCLUDE_SYM statement was specified with a range of PowerMax/VMAX devices, and the device range is invalid or parenthesis are missing. stmt# identifies the line number in the initialization parameter file of the failing statement. ("EMCIN55I" provides more information.)

Action
Correct the EXCLUDE_SYM specification, and restart SRDF Host Component.

EMCIN78E

(stmt#) FILTER_KNOWN NOT VALID WITH INCLUDE_RAG/EXCLUDE_SYM

Cause
A FILTER_KNOWN (MVS_GROUP) statement was specified with an INCLUDE_RAG or EXCLUDE_SYM (SYM_GROUP) statement, which is not valid. stmt# identifies the line number in the initialization parameter file of the failing statement. ("EMCIN55I" provides more information.)

Action
Correct the group definition, and restart SRDF Host Component.

EMCIN79E

(stmt#) FILTER_ONLINE NOT VALID WITH INCLUDE_RAG/EXCLUDE_SYM

Cause
A FILTER_KNOWN (MVS_GROUP) statement was specified with an INCLUDE_RAG or EXCLUDE_SYM (SYM_GROUP) statement, which is not valid. stmt# identifies the line number in the initialization parameter file of the failing statement. ("EMCIN55I" provides more information.)

Action
Correct the group definition, and restart SRDF Host Component.
EMCIN80E

(\texttt{stmt\#}) INCLUDE_CUU NOT VALID WITH INCLUDE_RAG/EXCLUDE_SYM

\textbf{Cause}
An INCLUDE_CUU (MVS\_GROUP) statement was specified with a INCLUDE_RAG or EXCLUDE_SYM (SYM\_GROUP) statement, which is not valid. \texttt{stmt\#} identifies the line number in the initialization parameter file of the failing statement. ("EMCIN55I" provides more information.)

\textbf{Action}
Correct the group definition, and restart SRDF Host Component.

EMCIN81E

(\texttt{stmt\#}) EXCLUDE_CUU NOT VALID WITH INCLUDE_RAG/EXCLUDE_SYM

\textbf{Cause}
An EXCLUDE_CUU (MVS\_GROUP) statement was specified with a INCLUDE_RAG or EXCLUDE_SYM (SYM\_GROUP) statement, which is not valid. \texttt{stmt\#} identifies the line number in the initialization parameter file of the failing statement. ("EMCIN55I" provides more information.)

\textbf{Action}
Correct the group definition, and restart SRDF Host Component.

EMCIN82E

(\texttt{stmt\#}) INCLUDE_VOL NOT VALID WITH INCLUDE_RAG/EXCLUDE_SYM

\textbf{Cause}
An INCLUDE_VOL (MVS\_GROUP) statement was specified with a INCLUDE_RAG or EXCLUDE_SYM (SYM\_GROUP) statement, which is not valid. \texttt{stmt\#} identifies the line number in the initialization parameter file of the failing statement. ("EMCIN55I" provides more information.)

\textbf{Action}
Correct the group definition, and restart SRDF Host Component.

EMCIN83E

(\texttt{stmt\#}) EXCLUDE_VOL NOT VALID WITH INCLUDE_RAG/EXCLUDE_SYM

\textbf{Cause}
An EXCLUDE_VOL (MVS\_GROUP) statement was specified with an INCLUDE_RAG or EXCLUDE_SYM (SYM\_GROUP) statement, which is not valid. \texttt{stmt\#} identifies the line number in the initialization parameter file of the failing statement. ("EMCIN55I" provides more information.)
Action
Correct the group definition, and restart SRDF Host Component.

EMCIN84E

INCLUDE_RAG NOT VALID WITH INCLUDE_CUU/INCLUDE_VOL

Cause
An INCLUDE_RAG (SYM_GROUP) statement was specified with an INCLUDE_CUU or INCLUDE_VOL (MVS_GROUP) statement, which is not valid. stmt# identifies the line number in the initialization parameter file of the failing statement. (“EMCIN55I” provides more information.)

Action
Correct the group definition, and restart SRDF Host Component.

EMCIN85E

EXCLUDE_SYM NOT VALID WITH INCLUDE_CUU/INCLUDE_VOL

Cause
An EXCLUDE_SYM (SYM_GROUP) statement was specified with an INCLUDE_CUU or INCLUDE_VOL (MVS_GROUP) statement, which is not valid. stmt# identifies the line number in the initialization parameter file of the failing statement. (“EMCIN55I” provides more information.)

Action
Correct the group definition, and restart SRDF Host Component.

EMCIN86E

INVALID DATA FOUND WHILE PROCESSING INCLUDE_RAG

Cause
The format of an INCLUDE_RAG statement is invalid. stmt# identifies the line number in the initialization parameter file of the failing statement. (“EMCIN55I” provides more information.)

Action
Correct the INCLUDE_RAG statement at stmt#.

EMCIN87E

INVALID DATA FOUND WHILE PROCESSING EXCLUDE_SYM

Cause
The format of an EXCLUDE_SYM statement is invalid. stmt# identifies the line number in the initialization parameter file of the failing statement. (“EMCIN55I” provides more information.)
Action
Correct the EXCLUDE_SYM statement at stmt#.

**EMCIN88E**

| INVALID VALUE SPECIFIED ON DISCOVER_CAS_QRY PARAMETER |

**Cause**
The DISCOVER_CAS_QRY initialization parameter of SRDF Host Component was specified incorrectly.

**Action**
Specify a valid value and retry.

**EMCIN92E**

| SORT_BY_VOLSER, SORT_BY_MVSCUU, AND, SORT_BY_COMMAND ARE MUTUALLY EXCLUSIVE |

**Cause**
More than one of the SORT_BY_VOLSER, SORT_BY_MVSCUU, and SORT_BY_COMMAND initialization parameters were specified. Only one of these initialization parameters can be specified.

**Action**
Select one of these initialization parameters, and restart Host Component.

**EMCIN93E**

| INVALID VALUE SPECIFIED FOR USER_VERIFICATION_TIMEOUT |

**Cause**
The value specified in the initialization parms for USER_VERIFICATION_TIMEOUT was invalid or missing.

**Action**
USER_VERIFICATION_TIMEOUT is left at the default and initialization continues. Correct the parameter for the next startup.

**EMCIN94E**

| INVALID VALUE SPECIFIED FOR ALLOW_CRPAIR_NOCOPY |

**Cause**
The ALLOW_CRPAIR_NOCOPY parameter was specified with an invalid value.

**Action**
Specify the parameter as YES, NO, or STAR.
EMCIN96E

(####) INVALID DATA FOUND WHILE PROCESSING VONOFF PARAMETER

Cause

#### is the sequence number of the initialization parameter where the problem was found. The data specified for the parameter is invalid.

Action

Validate the setting of the VONOFF parameter and correct the value.

EMCIN97E

(####) INVALID VALUE FOUND WHILE PROCESSING VONOFF_STATUS_WAIT=XXX

Cause

Where #### is the sequence number of the initialization parameter that detected the problem. The value XXX is not within the valid range.

Action

Validate your VONOFF_STATUS_WAIT parameter setting and correct the value specified.

EMCIN98E

(####) INVALID COMBINATION OF VONOFF PARAMETERS

Cause

Where #### is the sequence number of the initialization parameter where the problem was detected. The specified VONOFF parameter combination is invalid.

Action

Validate how your VONOFF parameters are set and correct the conflicts.

EMCIN99W

MSC_GROUP = xxxxxxxxxxxxxxxxxxxxxxxxxxxx FOUND BUT THE MSC ENVIRONMENT IS NOT ACTIVE

Cause

The SRDF Host Component initialization parameters are being read either at startup or via the SC GLOBAL,PARM_REFRESH command. The MSC_GROUP xxxxxxxxxxxxxxxxxxxxxxxxxxx statements were found, but cannot be run since the MSC environment is not active.

Action

If you intend to start the MSC_GROUP, make sure the MSC environment is enabled and try again. Otherwise, you can ignore this message.
EMCIN9bI

stmt# duplicate parameter name=ILLEGAL DUPE INIT PARM @HCLOG stmt#

Cause
An initialization parameter which cannot be specified more than once, has been.

stmt# is the HCLOG statement number of exact duplicate specification.

Action
Check the initialization parameter file for the duplicate parameter specification pointed to by this message.

EMCIN9CE

INVALID VALUE SPECIFIED ON AUTOSWAP_HCLOG PARAMETER

Cause
An invalid value was specified for the AUTOSWAP_HCLOG initialization parameter of SRDF Host Component.

Action
Specify the parameter value as either YES or NO.

EMCLM00I

SRDF-HC DISPLAY FOR #SQ GLOBAL,MODLVL

Cause
An #SQ GLOBAL,MODLVL command was requested.

Action
None.

EMCMB00E

(stmt#) MSC_GROUP_NAME= SPECIFIED WITHOUT A VALID NAME SPECIFIED

Cause
The name specified on the MSC_GROUP_NAME statement is not a valid name. The name must be alphanumeric with a maximum of 24 characters. stmt# identifies the line number in the initialization parameter file of the failing statement.

Action
Correct the name.
EMCMB01E

\((\text{stmt\#})\) \text{MSC\_GROUP\_NAME}= \text{SPECIFIED WITH A NAME LONGER THAN 24 CHARACTERS}\)

\textbf{Cause}

The name specified on the MSC\_GROUP\_NAME statement is not a valid name. The name must be alphanumeric with a maximum of 24 characters. \textit{stmt\#} identifies the line number in the initialization parameter file of the failing statement.

\textbf{Action}

Correct the name.

EMCMB02E

\((\text{stmt\#})\) \text{MSC MSC\_GROUP\_NAME ERROR IN GETTING ECSA CONTROL B LOCK}\)

\textbf{Cause}

The name specified on the MSC\_GROUP\_NAME statement is not a valid name. The name must be alphanumeric with a maximum of 24 characters. \textit{stmt\#} identifies the line number in the initialization parameter file of the failing statement. (“EMCIN55I” provides more information.)

\textbf{Action}

Ensure that the MSC\_GROUP\_NAME consists of 24 or less alphanumeric characters.

EMCMB03E

\((\text{stmt\#})\) \text{MSC\_GROUP\_NAME MISSING INCLUDE\_SESSION STATEMENT OR MISSING GROUP\_END}\)

\textbf{Cause}

The MSC\_GROUP\_NAME statement starts a series of statements that are needed. The MSC\_INCLUDE\_SESSION statement is required, one for each SRDF/A session that is required in the MSC\_GROUP. In the message, \textit{stmt\#} identifies the line number in the initialization parameter file of the failing statement. (“EMCIN55I” provides more information.)

\textbf{Action}

Add a valid MSC\_INCLUDE\_SESSION statement.

EMCMB04E

\((\text{stmt\#})\) \text{MSC\_INCLUDE\_SESSION STATEMENT MISSING OR INVALID}\)

\textbf{Cause}

The MSC\_GROUP\_NAME statement starts a series of statements that are needed. The MSC\_INCLUDE\_SESSION statement is required, one for each SRDF/A session that is required in the MSC\_GROUP. In the message, \textit{stmt\#} identifies the line number
in the initialization parameter file of the failing statement. ("EMCIN55I" provides more information.)

**Action**
Add a valid MSC_INCLUDE_SESSION statement.

**EMCMB05E**

(\texttt{stmt#}) MSC_INCLUDE_SESSION MAXIMUM NUMBER OF SESSIONS EXCEEDED

**Cause**
More than the maximum allowed SRDF/A sessions have been defined to the MSC group. In the message, \texttt{stmt#} identifies the line number in the initialization parameter file of the failing statement. (Message EMCIN55I provides more information.)

**Action**
Remove sessions until the number is below the limit.

**EMCMB06E**

(\texttt{stmt#}) MSC_INCLUDE_SESSION CACHE PERCENTAGE OUT OF RANGE OF 50\% - 100\%

**Cause**
This message is not issued, it is for future use.

**Action**
None.

**EMCMB07E**

(\texttt{stmt#}) MSC_INCLUDE_SESSION SESSION NUMBER SPECIFIED IS INVALID

**Cause**
The MSC_INCLUDE_SESSION included a SN(x) statement and the x was not 0. The only valid session is 0. In the message, \texttt{stmt#} identifies the line number in the initialization parameter file of the failing statement. ("EMCIN55I" provides more information.)

**Action**
Remove the SN(x) statement or set x =0.

**EMCMB08E**

POST FAILED, SRDF/A/MULTIBOX

**Cause**
Internal logic error.
Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCMB09E

EXCLUDED CUU $dddd$ FOUND IN MSC_GROUP $msc\_group\_name$

Cause
An MVS device $dddd$ has been used by the MSC\_INCLUDE\_SESSION statement that has been excluded by the EXCLUDE\_DEVICE\_RANGE initialization parameters.

Action
Use a different MVS device $dddd$ that is not excluded or change your EXCLUDE\_DEVICE\_RANGE initialization parameters.

EMCMB0AE

INVALID CUU $dddd$ FOUND IN MSC\_GROUP $msc\_group\_name$

Cause
An MVS device $dddd$ has been used in the MSC\_INCLUDE\_SESSION statement that is not valid.

Action
Use a different MVS device $dddd$ that is valid.

EMCMB0BE

PROCCNTL FAILED FOR CUU $dddd$ FOUND IN MSC\_GROUP $msc\_group\_name$

Cause
Internal logic error.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCMB0CE

MCLVL LOW FOR CUU $dddd$ FOUND IN MSC\_GROUP $msc\_group\_name$
**Cause**
The MVS device `dddd` is in a DASD subsystem that does not support SRDF/A because the operating environment level is too low.

**Action**
Correct the MSC_INCLUDE_SESSION statements to only include sessions on storage systems with operating environment levels that support SRDF/A. The Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide specifies minimum operating environment requirements.

---

**EMCMB0DE**

SRDF/A IS NOT FOUND FOR CUU `dddd` FOUND IN MSC_GROUP `msc_group_name`

**Cause**
The MVS device `dddd` is in a DASD subsystem that does not support SRDF/A (in Enginuity 5x70), or the SRDF group does not have SRDF/A active.

**Action**
Correct the MSC_INCLUDE_SESSION to only include devices from DASD subsystems that support SRDF/A (for Enginuity 5x70), or to activate SRDF/A for the session supplied.

---

**EMCMB0EI**

MSC_GROUP_NAME=`msc_group_name` HAS PASSED VALIDATION

**Cause**
The MSC GROUP statements have been processed and all parsing has been done.

**Action**
None.

---

**EMCMB0FI**

MSC HAS POSTED SCF WITH NEW DEFINITION(S)

**Cause**
When running MSC or SRDF/Star, the definition defined in the SRDF Host Component initialization parameters has been sent to the SCF (ResourcePak Base) address space.

**Action**
None.

---

**EMCMB10E**

`(stmt#)` MSC_CYCLE_TARGET STATEMENT INVALID

EMCMB0DE 1087
**EMCMB11W**

Invalid MSC_CYCLE_TARGET specified, reset to 3 seconds

or

Invalid MSC_CYCLE_TARGET specified, reset to 30 minutes

**Cause**
The MSC_CYCLE_TARGET statement was specified without a valid value. stmt# identifies the line number in the initialization parameter file of the failing statement. (“EMCIN55I” provides details.)

**Action**
correct the value specified on the statement.

**EMCMB12E**

PROCDEVT FAILED FOR CUU dddd FOUND IN MSC_GROUP msc_group_name

**Cause**
Internal logic error.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**EMCMB13E**

PROCUCB FAILED FOR CUU dddd FOUND IN MSC_GROUP msc_group_name

**Cause**
Internal logic error.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.
EMCMB14E

CUU dddd CANNOT BE A GATEKEEPER FOR MSC_GROUP SRDF/A

Cause
The MSC_INCLUDE_SESSION statement used device dddd. This device is not valid for use as a gatekeeper device for MSC. The gatekeeper device cannot be any of the following:

- SRDF/A device
- R1 device
- R2 device
- Virtual device
- Virtual Save device
- BCV device
- FBA device

Action
Choose an appropriate device for the gatekeeper device.

EMCMB15E

SRDF/A MSC REQUESTED BUT NOT AVAILABLE -
- MSC GROUP STATEMENTS ARE IGNORED -
- TO FIND OUT MORE OR OBTAIN THE NECESSARY LFC -
- CONTACT YOUR LOCAL EMC SALES REPRESENTATIVE

Cause
The License Feature Code (LFC) for MSC was not found.

Action
Add the MSC LFC code to SCF. To obtain license keys, email software@emc.com.

EMCMB16E

(stmt#) MSC.ACTIVATE SPECIFIED BUT PARAMETER IS NO LONGER SUPPORTED

Cause
The MSC_ACTIVATE statement is found in the MSC_GROUP definition. The MSC_ACTIVATE statement is no longer supported.

Action
Remove the MSC_ACTIVATE statement from your MSC_GROUP definition and refresh or restart your SRDF Host Component parameters.

EMCMB17E

(stmt#) MSC.DROP_POLICY SPECIFIED BUT PARAMETER IS NO LONGER SUPPORTED
**Cause**
The MSC_DROP_POLICY statement is found in the MSC_GROUP definition. The MSC_DROP_POLICY statement is no longer supported.

**Action**
Remove the MSC_DROP_POLICY statement from your MSC_GROUP definition and refresh or restart your SRDF Host Component parameters.

**EMCMB18E**

```
(stmt#) MSC_WEIGHT_FACTOR=X, WHERE X IS NOT 0, 1, 2, OR, 3
```

**Cause**
The MSC_WEIGHT_FACTOR statement in the MSC_GROUP definition specifies an incorrect weight factor. Valid values are 0 to 3.

**Action**
Change the value in the MSC_WEIGHT_FACTOR statement in your MSC_GROUP definition and refresh or restart your SRDF Host Component.

**EMCMB19E**

```
SRDF/A MSC(STAR) REQUESTED BUT NOT AVAILABLE -
- MSC GROUP STATEMENTS ARE IGNORED -
- TO FIND OUT MORE OR OBTAIN THE NECESSARY LFC -
- CONTACT YOUR LOCAL EMC SALES REPRESENTATIVE
```

**Cause**
The License Feature Code (LFC) for MSC (Star) was not found.

**Action**
Add the MSC LFC code to SCF (ResourcePak Base). To obtain license keys, email software@emc.com.

**EMCMB1FI**

```
- for MSC Group msc_group_name
```

**Cause**
This message is issued in conjunction with EMCMB0FI.

**Action**
None.

**EMCMB20E**

```
(stmt#) MSC_STAR= SPECIFIED WITHOUT A VALID CONGROUP NAME SPECIFIED
```

**Cause**

**Action**
**EMCMB21E**

**Causes**
The MSC_STAR= statement was found in the MSC_GROUP definition; however, the cgrpname is missing from the definition.

**Actions**
Add the cgrpname that is protecting the non-SRDF/A mirror in your SRDF/Star configuration and refresh or restart SRDF Host Component.

**EMCMB22W**

**Causes**
The MSC_STAR= statement was found, but the cgrpname listed to the right of the equal sign is longer than eight characters.

**Actions**
A valid consistency group name is at most eight characters. Correct the cgrpname and refresh or restart SRDF Host Component.

**EMCMB23E**

**Causes**
The MSC environment is not active

**Actions**
Enable the SCF MSC environment via an F scf,MSC ENABLE command, followed by an SC GLOBAL PARM_REFRESH.

**EMCMB24E**

**Causes**
An SC GLOBAL PARM_REFRESH command was issued to start a specific MSC group, but the group is already active.

**Actions**
None.
**EMCMB25E**

Definition for SQAR|STAR-A group group_name rejected, only one SQAR/STAR/STAR-A configuration is allowed

**Cause**
The MSC environment is restricted to one SQAR configuration (two MSC SQAR groups) or one SRDF/Star or Star-A group.

**Action**
Remove the excess group definitions.

**EMCMB26E**

Unsupported MCL nnnn, Ser symm_serial, SQAR|STAR-A group group

**Cause**
SRDF/SQAR and Star-A requires a minimum operating environment level of 5876 on all storage systems in the SQAR/Star-A configuration.

**Action**
Redefine the configuration with PowerMaxOS 5978, HYPERMAX OS 5977, or Enginuity 5876.

**EMCMB27W**

Invalid MSC_MAX_SESSIONS

**Cause**
The MSC_MAX_SESSIONS parameter has an invalid value. Specify a number from 1 to 40 (inclusive).

**Action**
Set a valid value for the parameter and restart SRDF Host Component. Alternatively, to use the parameter's default value, remove it from the parameter file.

**EMCMB28W**

Invalid MSC_SESSION_LIMIT, MSC Group msc_group_name

**Cause**
The definition of the named MSC group has an invalid value for the MSC_SESSION_LIMIT parameter.
Action
Modify the value of the parameter so that it is a number between 1 and the value of the MSC_MAX_SESSIONS parameter (inclusive). Alternatively, to use the default value of the parameter, remove it from the MSC group definition in the parameter file.

EMCMB30E

**MSC_STAR (dddd,srdfgrp#) BUT SRDF/A DEVICE symdv# FOUND THAT IS NOT CONCURRENT RDF**

Cause
Where dddd is the gatekeeper MVS device number, srdfgrp# is the SRDF group and symdv# is the PowerMax/VMAX device number. A PowerMax/VMAX device symdv# was located in the SRDF group srdfgrp# that is not a concurrent SRDF device.

Action
Make sure that the definition includes the correct SRDF groups and that all devices being included into the STAR MSC_GROUP definition are concurrent R1 devices.

EMCMB31E

**MSC_STAR= SPECIFIED BUT ILLEGAL CONFIGURATION HAS BEEN DETECTED**

Cause
In a STAR MSC_GROUP definition, devices have been found that are concurrent R1 devices; however, the non-SRDF/A mirror is not the same for all devices.

Action
Make sure that the devices being included by the STAR MSC_GROUP definition all have the same two SRDF groups.

EMCMB32E

**MSC_STAR= SPECIFIED BUT NO OTHER RDFGRP FOUND**

Cause
In a STAR MSC_GROUP, definition devices have been found that are concurrent R1 devices; however, the other SRDF group cannot be determined. This message would only be issued if an internal logic error exists.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.
EMCMB33E

(\texttt{stmt#}) \texttt{MSC\_INCLUDE\_SESSION\ REQUIRE\ NEW\ RDFGRP\ FOR\ A\ STAR\ CONFIGURATION}

\textbf{Cause}
A \texttt{MSC\_STAR=cgrpname} statement was found in the \texttt{MSC\_GROUP} definition but the recovery SRDF group (between the SRDF/A secondary storage system to the non-SRDF/A storage system) was not specified.

\textbf{Action}
Add the recovery SRDF group to the \texttt{INCLUDE\_SESSION=dddd,(nn),(mm)} statement where the recovery SRDF group is \textit{mm}.

EMCMB34E

(\texttt{stmt#}) \texttt{MSC\_INCLUDE\_SESSION=SCFG(\ FOUND\ BUT\ NO\ ENDING\ )\ WAS\ FOUND}

\textbf{Cause}
An \texttt{MSC\_INCLUDE\_SESSION=SCFG(gnsgrp) statement has been found that should be in the format \texttt{MSC\_INCLUDE\_SESSION=SCFG(gnsgrp)}}.

\textbf{Action}
Add the trailing parenthesis ')' to the \texttt{MSC\_INCLUDE\_SESSION} statement.

EMCMB35E

(\texttt{stmt#}) \texttt{MSC\_INCLUDE\_SESSION=SCFG(\ FOUND\ BUT\ NO\ ENDING\ ",",\ WAS\ FOUND)

\textbf{Cause}
An \texttt{MSC\_INCLUDE\_SESSION=SCFG(scf\_gatekeeper\_group,gnsgrp)} statement has been found and a character has been found that is not alpha/numeric or a ",". The statement requires a SCF gatekeeper GNS group and an SRDF/Star GNS group.

\textbf{Action}
You need to code the \texttt{MSC\_INCLUDE\_SESSION=SCFG(gnsgrp1,gnsgrp2)}. Where:
\begin{itemize}
  \item \textit{gnsgrp1} is a GNS group that contains devices that may be used as a gatekeeper for MSC
  \item \textit{gnsgrp2} is a GNS group that defines both the local SRDF group that is in SRDF/A and the SRDF/Star recovery SRDF group
\end{itemize}

The GNS group is defined in the format:
\texttt{DEFINE\ GROUP\ 'STAR\_GRP'\ -\ INCLUDE\ RDF\ GROUP\ =ssssssssssss, ((LCL=R41,RECOVERY=R4r))}

Where:
\begin{itemize}
  \item \textit{ssssssssssss} is the serial number of the primary-side storage system.
  \item \textit{R41} is the R1 SRDF/A SRDF group.
- *RAr* is the recovery SRDF group from the secondary synchronous unit and the secondary asynchronous unit.

**EMCMB36W**

**Message**: Maximum MSC Groups exceeded, *msc_group* ignored

**Cause**: The limit of eight MSC groups has been reached.

**Action**: To run more than eight MSC groups, another SCF task must be started.

**EMCMB37W**

**Message**: Multiple MSC definitions found, specific activation required

**Cause**: The SRDF Host Component initialization file contains multiple MSC definitions.

**Action**: An SRDF Host Component GLOBAL PARM_REFRESH command with the MSCGroup parameter must be issued to activate MSC.

**EMCMB38E**

**Message**: Diskless and non-diskless devices detected for MSC_GROUP *msc_group_name*

**Cause**: An attempt to activate MSC or SRDF/Star for multiple groups failed because of an inconsistency among the diskless characteristics of the devices in the SRDF groups. In order for SRDF/A to be activated on a group, the devices in that group must be either all diskless or all non-diskless. In an MSC configuration, this requirement extends to all participating SRDF groups. However, a mixture of diskless and non-diskless devices in the SRDF groups participating in MSC was detected.

**Action**: Remove the incompatible group from the SRDF Host Component definition and restart MSC.

**EMCMB39E**

**Message**: SRDF/A Group xx is Diskless, Group xx is Diskfull

**Cause**: This message is issued in conjunction with message EMCMB38E to indicate the type of SRDF group.
**EMCMB3AW**

Invalid MSC_TAKEOVER_THRESHOLD, default used

**Cause**
An invalid value for MSC_TAKEOVER_THRESHOLD was specified. Allowable values are 0-999, with a default of 32.

**Action**
If the default is not desirable, correct the parameter to an allowable value and issue a GLOBAL PARM_REFRESH command.

**More Information**
This is applicable to a High Availability environment, to define the number of consecutive MSC cycle switches by a Secondary Server before message SCF15C8W (Possible loss of the Primary Server on syid detected) is issued.

**EMCMB3BE**

Definition for MSC Group msc_group not found

**Cause**
The MSC group definition was not found for a specific MSC group activation.

**Action**
Re-issue the #SC GLOBAL PARM_REFRESH command, specifying a valid MSC group.

**EMCMB3CW**

MSC Group msc_group function is active, definition ignored

**Cause**
During SRDF Host Component startup or an SC GLOBAL PARM_REFRESH operation, an MSC group definition in the SRDF Host Component initialization file is currently active, either as an active MSC group or Auto Recovery is running for the MSC group. 

function is either MSC or Auto Recovery.

**Action**
The control blocks for the MSC group will not be updated. If you wish to change the MSC group definition, MSC must be disabled before issuing an SC GLOBAL PARM_REFRESH or starting SRDF Host Component.
EMCMB3DE

Definition for STAR Group *group_name* rejected, only one STAR/SQAR/STAR-A configuration is allowed

**Cause**
The MSC environment is restricted to one SRDF/Star or Star-A group or one SQAR configuration (two MSC SQAR groups).

**Action**
Remove the excess group definitions.

EMCMB3EE

Validation error detected for MSC Group *msc_group_name*

**Cause**
Before an MSC group can be activated it must be validated. During this validation an option or condition exists that is preventing this group from being activated. Additional messages will describe the type of error.

**Action**
Check for additional validation error messages. Insure that the MSC group does not have an invalid group name, or include an invalid SRDF device.

EMCMB3FE

No MSC groups are defined

**Cause**
There are no MSC groups defined.

**Action**
None.

EMCMB40E

RDFGRP *srdfgrp* CANNOT BE A RECOVERY RDFGRP FOR MSC_GROUP *msc_group_name*

**Cause**
The SRDF group *srdfgrp* is an SRDF group attempting to be used in an SRDF/Star configuration as the recovery SRDF group between Site B and Site C. It may not be used as a recovery SRDF group because it violates the rules for a recovery SRDF group.
**EMCMB40W**

**Action**
The recovery SRDF group in an SRDF/Star configuration must not have any devices in the SRDF group at the time SRDF/Star starts. Make sure all devices in the SRDF group are removed from the SRDF group or use a different SRDF group.

**EMCMB41E**

**Action**
The recovery SRDF group in an SRDF/Star configuration must not have any devices in the SRDF group at the time SRDF/Star starts. Make sure all devices in the SRDF group are removed from the SRDF group or use a different SRDF group.

An R22 device is allowed in for SRDF/Star recovery groups if the device is related to the configuration as follows:

a) The R22 must be configured as an asynchronous target device for the SRDF/Star configuration.

b) For cascaded configurations, the other R2 mirror must be paired with a synchronous R11 device on the site A storage system to form a complete triplet (the site A and site C devices must be paired with the same R21 device at site B).

**EMCMB41W**

**Action**
The recovery SRDF group in an SRDF/Star configuration must not have any devices in the SRDF group at the time SRDF/Star starts. Make sure all devices in the SRDF group are removed from the SRDF group or use a different SRDF group.

For SRDF/Star, the devices need to have either two local mirrors or RAID protection. Running without multiple mirrors or RAID protection may have a significant impact if a drive failure occurs.
Cause
The R1 devices in SRDF group srdfgrp# do not have multiple mirrors or RAID protecting them.

Note
This message is issued as a warning and not an error because MSC_VALIDATION=WARN is set.

Action
For SRDF/Star, the devices need to have either two local mirrors or RAID protection. Running without multiple mirrors or RAID protection may have a significant impact if a drive failure occurs.

EMCMB42E

R2 RDFGRP srdfgrp# HAS DEVICES WITHOUT PROTECTION FOR MSC_GROUP = msc_group_name

Cause
The R2 devices in SRDF group srdfgrp# for the synchronous link do not have multiple mirrors or RAID protecting them.

Action
For SRDF/Star, the devices need to have either two local mirrors or RAID protection. Running without multiple mirrors or RAID protection may have a significant impact if a drive failure occurs.

EMCMB42W

R2 RDFGRP srdfgrp# HAS DEVICES WITHOUT PROTECTION FOR MSC_GROUP = msc_group_name

Cause
The R2 devices in SRDF group srdfgrp# for the synchronous link do not have multiple mirrors or RAID protecting them. Note: This message is issued as a warning and not an error because MSC_VALIDATION=WARN is set.

Action
For SRDF/Star, the devices need to have either two local mirrors or RAID protection. Running without multiple mirrors or RAID protection may have a significant impact if a drive failure occurs.

EMCMB43E

R2 RDFGRP ra# HAS DEVICES WITHOUT PROTECTION FOR MSC_GROUP = msc_group_name

Cause
The R2 devices in SRDF group ra# for the asynchronous link do not have multiple mirrors or RAID protecting them.
**Action**
For SRDF/Star, the R2 devices need to have either two local mirrors or RAID protection. Running without multiple mirrors or RAID protection may have a significant impact if a drive failure happens.

**EMCMB43W**

R2 RDFGRP srdfgrp# HAS DEVICES WITHOUT PROTECTION FOR MSC_GROUP = msc_group_name

**Cause**
The R2 devices in SRDF group srdfgrp# for the asynchronous link do not have multiple mirrors or RAID protecting them.

**Note**
This message is issued as a warning and not an error because MSC_VALIDATION=WARN is set.

**Action**
For SRDF/Star, the devices need to have either two local mirrors or RAID protection. Running without multiple mirrors or RAID protection may have a significant impact if a drive failure occurs.

**EMCMB44E**

MSC_INCLUDE_SESSION=SCFG(gnsgrp) IS NOT ACTIVE AND COMPLETE

**Cause**
The GNS group gnsgrp cannot be resolved at this time since GNS is currently not active or has not fully initialized.

**Action**
Check the status of GNS in ResourcePak Base and determine the reason GNS is not ready. After correcting the problem, reissue the previous command.

**EMCMB45E**

MSC_INCLUDE_SESSION=SCFG(gnsgrp) DOES NOT HAVE RECOVERY RDFGRP

**Cause**
The MSC_INCLUDE_SESSION=SCFG(gnsgrp1, gnsgrp2) statement has resolved the GNS group and determined that the gnsgrp2 is not defined in the correct format.

**Action**
The GNS group gnsgrp2 needs to be defined in the format:

```
DEFINE GROUP 'STAR' INCLUDE RDF GROUP = sssssssssssss, ((LCL=RA1,RECOVERY=RAr))
```
Correct your GNS group definition where sssssssssss is the serial number of the primary storage system, RA1 is the SRDF group of the SRDF/A SRDF group, and RA2 is the recovery SRDF group between Site B and Site C.

**EMCMB46E**

MSC_INCLUDE_SESSION=SCFG(gns_gtkpr_grp, gns_star_grp) DOES NOT HAVE VALID GATEKEEPER

**Cause**
The GNS group gns_gtkpr_grp does not contain a device that can be used as a gatekeeper for the MSC_GROUP. For SRDF/Star, the gatekeeper device may not be any of the following:

- SRDF/A device
- R1 device
- R2 device
- Virtual device
- Virtual Save device
- BCV device

**Action**
Add the correct device type to your GNS group.

**EMCMB47E**

MSC_INCLUDE_SESSION=SCFG(gns_gtkpr_grp, gns_star_grp) PROCCNTL FAILED FOR CUU dddd

**Cause**
An internal error occurred while trying to resolve the GNS groups for the MSC_GROUP.

**Action**
Examine the SRDF Host Component log and GNS group name definition statements to determine and correct the error.

**EMCMB48E**

MSC_INCLUDE_SESSION=SCFG(gns_gtkpr_grp, gns_star_grp) MCLVL LOW FOR CUU dddd

**Cause**
The operating environment level for a storage system in the GNS group is below the minimum for running MSC or SRDF/Star. MSC requires level 5x70 or later and SRDF/Star requires 5x71 or later.

**Action**
Correct the GNS group to include the correct storage systems.
EMCMB49E

MSC_INCLUDE_SESSION=SCFG(gns_gtkpr_grp,gns_star_grp) PROCDEVT FAILED
FOR CUU dddd

Cause
An internal error occurred while trying to resolve the GNS groups for the
MSC_GROUP.

Action
Examine the SRDF Host Component log and GNS group name definition statements
to determine and correct the error.

EMCMB50E

MSC_INCLUDE_SESSION=SCFG(gns_gtkpr_grp,gns_star_grp) PROCUCB FAILED
FOR CUU dddd

Cause
An internal error occurred while trying to resolve the GNS groups for the
MSC_GROUP.

Action
Examine the SRDF Host Component log and GNS group name definition statements
to determine and correct the error.

EMCMB51E

MSC_INCLUDE_SESSION=SCFG(gns_gtkpr_grp,gns_star_grp) FAILED TO FIND
GATEKEEPER

Cause
The GNS group resolution for the
MSC_INCLUDE_SESSION=SCFG(gns_gtkpr_grp,gns_star_grp) statement has
determined that the GNS group gns_gtkpr_grp does not contain a gatekeeper device
that can be used for the SRDF/A SRDF groups in the gns_star_grp.

Action
Check the GNS groups gns_gtkpr_grp and gns_star_grp to make sure that they have
gatekeepers that can run the MSC_GROUP that is running MSC or SRDF/Star.

EMCMB52E

MSC_INCLUDE_SESSION=SCFG(gns_gtkpr_grp,
gns_star_grp) INCORRECT TYPE OF GNS GROUP
**Cause**

While trying to resolve the GNS group `gns_star_grp`, it has been determined that the GNS group defined is not defined with the correct parameters. The GNS group `gns_star_grp` needs to be defined in the format:

```plaintext
DEFINE GROUP 'STAR' INCLUDE RDF GROUP =

ssssssssssss, (LCL=RA1,RECOVERY=RAr)
```

Where `ssssssssssss` is the serial number of the primary storage system, `RA1` is the primary side SRDF group, and `RAr` is the recovery SRDF group between site B and site C.

**Action**

Correct the definition of your GNS group `gns_star_grp`.

---

**EMCMB53W**

MSC_INCLUDE_SESSION=SCFG(gns_gtkpr_grp,gns_star_grp) DEVICEKEEPER

**Cause**

The resolution of the GNS group `gns_gtkpr_grp` for the gatekeeper device had to use the same gatekeeper device for more than one SRDF group in the storage system. This may cause a performance issue that can cause SRDF/A to drop.

**Action**

Redefine your `gns_gtkpr_grp` to include a unique gatekeeper for each SRDF group in the MSC_GROUP.

---

**EMCMB54I**

MSC_GROUP_NAME=msg_grp_name

**Cause**

The MSC_GROUP `msg_grp_name` was defined via the MSC_INCLUDE_SESSION((gns_gtkpr_grp,gns_star_grp)) statement. This message is informational and allows you to see the resolution of the GNS groups `gns_gtkpr_grp` and `gns_star_grp`.

**Action**

None.

---

**EMCMB55I**

MSC_INCLUDE_SESSION=dddd,(RA1),(RAr)

**Cause**

The MSC_GROUP `msg_grp_name` was defined via the MSC_INCLUDE_SESSION((gns_gtkpr_grp,gns_star_grp)) statement. This message is informational and allows you to see the resolution of the GNS groups `gns_gtkpr_grp` and `gns_star_grp`. 
EMCMB56I

**MSC_GROUP_END**

**Cause**
The MSC_GROUP msc_grp_name was defined via the MSC_INCLUDE_SESSION(gns_gtkpr_grp,gns_star_grp) statement. This message is informational and allows you to see the resolution of the GNS groups gns_gtkpr_grp and gns_star_grp.

**Action**
None.

EMCMB57I

**MSC_GROUP_NAME=grpname NOW RUNNING ssss**

**Cause**
The MSC group is running in the indicated mode. grpname is the MSC_GROUP name and ssss is SRDF/Star, Star-A or SQAR.

**Action**
None.

EMCMB58E

**MSC_GROUP_NAME=msc_grpname CANNOT LOAD CGRPQDEV**

**Cause**
SRDF Host Component is attempting to run SRDF/Star and the interface to the ConGroup API cannot be located.

**Action**
Make sure the ConGroup API is available to SRDF Host Component.

EMCMB59W

**MSC_GROUP_NAME=msc_grpname CONGROUP cgrpname xxxxxxxx NOT FOUND**

**Cause**
While trying to determine if ConGroup is using CAX because you are running SRDF/Star or SQAR, the logic failed. xxxxxxxx can be ' ', 'CTL BLK', or 'CB ID'. This message will be issued for the Primary (DC1) site if ConGroup is not active.

**Action**
Verify that ConGroup is running and the maintenance is up to date.
EMCMB5AE

LOCAL AND REMOTE CYCLE SWITCHING IS NOT ALLOWED IN THE SAME MSC GROUP, msc_group_name

**Cause**
MSC does not support local and remote cycle switching in the same MSC group.

**Action**
Update the MSC initialization parameters (MSC_INCLUDE_SESSION) to be of the same type and refresh the MSC environment.

EMCMB5CW

MSC_VALIDATION parameter is invalid, defaulting to WARN

**Cause**
The MSC_VALIDATION statement was found with a value that was invalid. The default setting of WARN will be applied.

**Action**
Correct the value if WARN is not the intended validation value.

EMCMB5DE

Definition for group msc_group_name rejected, a duplicate definition exists

**Cause**
This message is issued when a duplicate MSC group is defined.

**Action**
Remove the duplicate MSC group definition.

EMCMB5EI

No groups to Add/Delete were found for msc_group_name

**Cause**
The Add/Delete request was issued but no sessions were found to add or delete.

**Action**
None.

EMCMB5FE

The group msc_group_name is not active
**EMCMB60E**

Add/Delete can only be issued for a specific group

**Cause**
This message is issued for a Dynamic Session ADD/DELETE when MSCG(*) is used.

**Action**
Specify an MSC group name and not a wildcard character.

**EMCMB61E**

Add/Delete can not be issued for the STAR|SQAR|STAR-A group

**Cause**
This message is issued for a Dynamic Session ADD/DELETE when an ADD/DELETE request is issued for a STAR/STAR-A/SQAR group.

**Action**
Do not issue ADD/DELETE for a STAR/STAR-A/SQAR group.

**EMCMB62E**

Dynamic Add/Delete is already active for msc_group_name

**Cause**
This message is issued for a Dynamic Session ADD/DELETE when an ADD/DELETE request is already active.

**Action**
Wait for the ADD/DELETE request to complete before issuing another.

**EMCMB63E**

Error getting device entries for CCUU ccuu RC: rc RS: rs

**Cause**
A problem occurred trying to obtain the device information.

**Action**
Refer to message EMCMB64E for additional details.
EMCMB64E

**message_text**

**Cause**
A problem occurred trying to obtain the device information.

If this message is issued with EMCMB63E, the *message_text* returned by this message at the time of the error will indicate the error and action. This could be an internal error.

**Action**
Examine the SRDF Host Component log to determine and correct the error.

EMCMB65I

**Validating MSC_GROUP_NAME=msc_group_name**

**Cause**
The specified MSC group is being validated.

**Action**
None.

EMCMB66E

**Validate Error: validation_type MSC Group msc_group_name CCUU dddd RDFGRP srdfgrp#**

**Cause**
This message may be issued prior to message EMCMB40E or EMCMB40W to clarify the validation type being performed as the time of the error.

*validation_type* may be either “Concurrent Device” or “Site A Recovery”.

**Action**
Refer to EMCMB40E/W for problem resolution.

EMCMB67E

**GET_CONFIG FAILED FOR CUU cuu FOUND IN MSC_GROUP % msc_group_name**

**Cause**
Internal logic error.

**Action**
The configuration could not be determined. Please verify that both the CCUU and SRDF group supplied are valid.
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**EMCMB68E**

Dynamic ADD for Session (ccuu,ra) not allowed, MSC Group msc_group_name is MCM

**Cause**
The dynamic addition to the MSC session failed because the group being added is running in Legacy Mode while the MSC session is in Multi Cycle Mode (MCM).

**Action**
The MSC session (in which the new group will be added) must be transitioned to Legacy Mode before issuing the dynamic add.

**EMCMB69E**

(stmt#) High Availability mode is not supported for STAR-A

**Cause**
You tried to start STAR-A in High Availability mode. That mode is not available for STAR-A.

**Action**
Start STAR-A without High Availability set.

**EMCMB99R**

This program is about to issue a drop to all RDFGRPS in MSC_GROUP = xxxxxxx

**Cause**
The utility you are running will drop all SRDF groups in the MSC_GROUP. If you proceed, you will no longer be able to perform SRDF/Star operations with your devices.

**Action**
Respond to the corresponding EMCMBA9R message. (Reply D to drop all SRDF groups or C to cancel.)

**EMCMB9AR**

This utility will remove the Star/SQAR environment for MSC_GROUP = xxxxxxx

**Cause**
A Star/SQAR environment was found. This utility will erase the MSC boxlist, MSC scratch area, and the Star/SQAR indicators. If you proceed you will no longer be able
to perform Star/SQAR operations. Make sure you are ready to erase this data before you proceed.

**Action**
Respond to the corresponding EMCMBAAR message. (Reply Y to remove the Star/SQAR environment or C to cancel.)

**EMCMBA9R**

Enter D to drop all RDFGRPS or C to cancel the drop

**Cause**
Issued in conjunction with EMCMB99R.

**Action**
Reply D to drop all SRDF groups or C to cancel.

**EMCMBAAR**

Enter Y to remove STAR/SQAR environment or C to cancel

**Cause**
Issued in conjunction with EMCMB9AR.

**Action**
Reply Y to remove the STAR/SQAR environment or C to cancel.

**EMCMBABE**

RDF link ra is offline, ser nnnnnnn-nnnnn

**Cause**
The SRDF link for group ra is offline; the Automated Recovery utility cannot proceed until the link is restored.

**Action**
The utility will continue to check the link status every 30 seconds until all offline links are online or the operator responds to the corresponding EMCMBACR message.

**EMCMBACR**

All RDF links are not active, reply CONTinue or CANcel

**Cause**
This message is issued in conjunction with EMCMBABE to allow the operator to cancel the job.
**Action**
No action is required to continue the link status check, as the utility polls every 30 seconds. If all links are online, the message will be automatically cancelled. A reply of CONTinue causes an immediate status check. A reply of CANcel cancels the job.

**EMCMBADE**

Invalid reply

**Cause**
An invalid reply was issued in response to EMCMBACR.

**Action**
Reply CONTinue or CANcel to the EMCMBACR message.

**EMCMBAEAE**

SCF Subsystem not available

**Cause**
The SCF task was not active, or the SCF subsystem name specified in the JCL for EHCMSCME did not match that of any active SCF task.

**Action**
Correct the subsystem name on the SCF$nnnn DD statement, ensure the appropriate SCF task is active, and submit the job again.

**EMCMBAFR**

Partial Commit, reply COMMIT or CANcel

**Cause**
This message is issued by the ME Cleanup Utility for an MSC group with multiple sessions, if the utility decides to issue a Discard when a Commit was issued for at least one of the other MSC sessions.

**Action**
Reply COMMIT to override the Discard to issue a Commit instead. Reply CANcel to terminate the ME utility.

**EMCMBBHR**

<R2 RESTORE | R1 CLEANUP> in progress, reply RETRY or CANcel

**Cause**
The ME Cleanup Utility cannot proceed because of the conditions indicated in the message.
**EMCMBC0R**

**EMCTF failed with rc xx, reply CONTinue or CANcel**

**Cause**
The TimeFinder Goldcopy step initiated by Auto Recovery failed. Review the TimeFinder output in the Auto Recovery job to determine the error.

**Action**
Reply CONTinue to ignore the error or CANcel to propagate the return code to the Auto Recovery procedure.

**EMCMN00I**

**SRDF-HC : (nnn) command**

**Cause**
This message is issued when any SRDF Host Component command is entered.

**Action**
None.

**EMCMN01E**

**MODULE MUST BE IN APF LIBRARY**

**Cause**
The module is not in APF library.

**Action**
Check with your system programmer, make sure the library is defined as APF, and then restart the task.

**EMCMN02I**

**START CIB FREE FAILED, PROCESSING CONTINUES**

**Cause**
The system was trying to free a CIB block that is not on the CIB chain.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
EMCMN03I

SRDF HOST COMPONENT Vx.x.x NOW ACCEPTING COMMANDS

Cause
Prior to this message, any SRDF Host Component commands you enter are rejected. However, after this message is issued, SRDF Host Component accepts commands to be processed, and begins processing them when message “EMCMN81I” is subsequently issued.

Action
You may begin entering SRDF Host Component commands.

EMCMN04I

EMC STC IS ENDING BECAUSE OF STOP COMMAND

Cause
The #STOP command was issued against the started task.

Action
None.

EMCMN05E

MVS RELEASE IS BELOW MINIMUM LEVEL

Cause
The operating system is below MVS/ESA 4.3. SRDF Host Component cannot run on a system below this level.

Action
Upgrade MVS.

EMCMN06E

QUERY COMMAND MUST BE FROM A MASTER CONSOLE

Cause
An #SQ command was issued at a non-master console, but the SECURITY=MASTER is specified in the SRDF initialization parameter file.

Action
Issue the command at a console with master console authority.
EMCMN07E

CONFIG COMMAND MUST BE FROM A MASTER CONSOLE

Cause
An #SC CNFG command was issued at a non-master console as the SECURITY_CONFIG=MASTER has been specified in the SRDF initialization parameter file.

Action
Issue the command at a console with master console authority.

EMCMN08E

INVALID SRDF COMMAND, PLEASE RETRY

Cause
The command that was entered has an invalid format.

Action
Check your command syntax, and reenter the command. Command formats are fully described in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.

EMCMN09I

MESSAGE INTERFACE HAS BEEN WITHDRAWN

Cause
This message is issued when Host Component is terminating.

Action
None.

EMCMN0AI

Parse test complete

Cause
A command was issued specifying that parse testing only was to take place for the command. This can be done by specifying the PRSTST option for the command action or by specifying the CQNAME keyword parameter with queue code T. Parsing has completed for the command.

Action
If a parse error was detected, correct the error and retry the test.
EMCMN0BI

Cancelling SRDF Host Component subtasks with U1222 abend code

**Cause**
IMMED was given in response to message EMCMN99R STOP REQUESTED, ENTER QUIESCE, IMMED, OR CANCEL, and active SRDF Host component subtasks were found.

**Action**
None required. SRDF Host Component manually cancels the active subtasks.

EMCMN10I

SUBSYSTEM INTERFACE HAS BEEN WITHDRAWN

**Cause**
This message is issued when Host Component has been terminated.

**Action**
None.

EMCMN11E

Only 'ALL' or volume count valid with LCL

**Cause**
A volume query command (#SQ VOL, #SQ RAID5, #SQ RAID6 or #SQ RAID10) was entered specifying the format LCL(xxxx,gg),state. However, when LCL is specified for one of these commands, only ALL or a volume count may be requested. That is, only the formats LCL(xxxx,gg),ALL or LCL(xxxx,gg),volume-count are allowed.

**Action**
Make an appropriate correction to the command format.

EMCMN12E

NUMBER OF VOLUMES TO DISPLAY IS INVALID

**Cause**
count, number of volumes to display, has an invalid format. Note that specifying a state is not valid for the #SQ VOL, #SQ MIRROR, #SQ STATE, #SQ RAID, and #SQ RAID10 commands with the LCL parameter; only a count of devices to display is valid.

**Action**
Check your command syntax and reenter the command.
EMCMN13E

NUMBER OF DEVICES TO DISPLAY MUST NOT EXCEED nnnn

Cause
An #SQ VOL, #SQ BCV, or #SQ MIRROR command was issued, and the count requested exceeds the value selected for the MAX_QUERY initialization parameter.

Action
Reenter the command, specifying a count field less than or equal to the MAX_QUERY value. To display additional devices, issue another query command with the starting-device-number value specified.

EMCMN14E

CUU NUMBER OR RANGE IS INVALID

Cause
cuu has an invalid format or invalid range specified.

Action
Check your command syntax and reenter the command.

EMCMN15E

CONFIG MSG - INVALID OR MISSING OPERAND

Cause
An #SC command was issued with invalid syntax.

Action
Check your command syntax and reenter the command.

EMCMN17E

SQ(QUERY) SUBPARM IS INVALID. PLEASE USE HELP COMMAND FOR VALID COMMANDS

Cause
An #SQ command was entered, and the first subparameter was either missing or invalid.

Action
Check your command syntax and reenter the command.
EMCMN18E

MESSAGE COUNT IS INVALID

Cause
An #SQ MSG,p1 command was issued with a p1=count parameter, where count, a number of messages to be displayed, exceeds the acceptable value.

Action
Change count less than or equal to 100 for the #SQ MSG command, and reenter the command.

EMCMN19I

MESSAGE PROCESSING NOT SPECIFIED

Cause
An #SC MSG command was issued, and MESSAGE_PROCESSING=NO was requested at initialization time.

Action
None.

EMCMN20E

ACTION WAS NOT SPECIFIED OR INVALID

Cause
The action is either missing or has an invalid format.

Action
Check your command syntax and reenter the command.

EMCMN21E

MESSAGE INTERFACE HEADER FAILED VALIDATION

Cause
The product interface to SVC 76 cannot be fully removed and cannot be updated to indicate that it is disabled. It appears that someone has modified the interface.

Action
Contact the Dell EMC Customer Support Center for technical assistance.
EMCMN22E

INVALID REMOTE SPECIFICATION

Cause
An #SC BCV command was issued with the RMT(...) parameter specified incorrectly.

Action
Check your command syntax, and reenter the command with a corrected RMT specification. Be sure that the format of the RMT parameter is correct for the action code. If the device specified in the cuu subparameter is not an R1 device, be sure that the sdrgfrp# subparameter is specified.

EMCMN23E

INVALID STARTING DEVICE# SPECIFIED

Cause
An #SQ command was issued with the starting device number field specified incorrectly. This field should be a two- to four-digit hex value.

Action
Check your command syntax and reenter the command.

EMCMN24E

DV NUMBER OR RANGE IS INVALID

Cause
The dev# has an invalid format.

Action
Check your command syntax and reenter the command.

EMCMN25I

EMC CONSOLE DISPLAY COMMANDS - V._._._

Cause
A #HELP command was issued.

Action
None.
EMCMN26E

SC(ONFIG) SUBPARM IS INVALID. PLEASE USE HELP COMMAND FOR VALID COMMANDS

Cause
The #SC VOL,p1,p2,p3 or #SC LINK,p1,p2,p3 command was issued with the VOL or LINK subparameter missing.

Action
Check your command syntax and reenter the command.

EMCMN27E

SC(ONFIG) LINK, INVALID DIRECTOR NUMBER, MUST BE AN RA

Cause
An #SC LINK,p1,p2,p3 command was issued with p1=cuu, p2=RAdir#, and p3=ONLINE/OFFLINE parameters, where RAdir# is an invalid director.

Action
Issue an #SQ LINK,p1 command with p1=cuu to find the correct director number, and then reenter the command.

EMCMN28E

SC(ONFIG) LINK, ACTION MUST BE ONLINE OR OFFLINE

Cause
An #SC LINK,p1,p2,p3 command was issued with p1=cuu, p2=RAdir#, and p3 parameter missing.

Action
Check the syntax, specify the p3=ONLINE/OFFLINE parameter, and reenter the command.

EMCMN2AE

Invalid or excluded device address specified

Cause
A CCUU was specified that is unknown to SCF.

Action
Use a device that is known to SCF as a gatekeeper.
EMCMN2BE

Device address used as a CUU is not an RDF device

**Cause**
The device specified as the gatekeeper was not an SRDF device; consequently, an SRDF group cannot be determined for the request. When the RMT form of a request is specified without a hop list value then the hop list is derived from the SRDF group of the gatekeeper. When the gatekeeper is not an SRDF device or if the device belongs to multiple SRDF groups, the path cannot be determined.

**Action**
For an RMT request, specify the hop list and an SRDF group. For an LCL request, specify an SRDF group.

EMCMN30E

UNABLE TO FIND CUU IN SSID TABLES

**Cause**
An #SC VOL command was issued with a cuu that has been either excluded from your Host Component initialization file or undefined to SCF.

**Action**
Issue the #SQ VOL command to find the correct cuu number, correct the mistake, and reenter the #SC VOL command.

EMCMN31E

SC(ONFIG) CNFG, ADCOPY_MAX_SKEW VALUE NOT SPECIFIED OR INVALID

**Cause**
An #SC CNFG,p1,p2,p3 command was issued with p1=cuu, p2=ADCOPY_MAX_SKEW, and p3=value parameter missing or INVALID.

**Action**
Reenter the command with a specified value, where value can be from 1 to 999,999.

EMCMN32E

INVALID DYNAMIC RDF FLAGS SPECIFIED

**Cause**
An #SC VOL command with a Dynamic SRDF action code (SWAP | CREATEPAIR | DELETEPAIR) and special processing flags were specified incorrectly.

**Action**
Reenter the command with correct flags.
**EMCMN33W**

**WARNING, SOURCE (R1) TO BECOME TARGET (R2) IN R/W AND READY STATE**

**Cause**
An #SC VOL command with a SWAP action code and swap flags was issued. The swap flags indicate that the current R1 device(s) are to become R2s, and placed in a write-enabled and ready to the host state. Note that if the device is online to the local host, the host could continue to write to the device even after it becomes an R2. This would build up R1 invalid tracks on the (new) R2 side.

**Action**
Processing continues. After swap completes, check the host state of the R2 device. Perform recovery procedures as described in “Testing Recovery Procedures” in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide, if necessary.

**EMCMN35E**

**SSID COUNT IS INVALID**

**Cause**
An #SQ SSID,p1 command was issued with a p1=count parameter, where count, a number of SSID to be displayed, exceeds the acceptable value.

**Action**
Change count to less than 64, and reenter the command.

**EMCMN36E**

**TOO MANY SUBPARMS ON xxx SPECIFICATION**

**Cause**
A command was entered with the LCL or RMT parameter, but too many subparameters were specified. In the message, xxx is LCL or RMT.

**Action**
Reenter the command with the LCL or RMT parameter specified correctly.

**Note**
Refer to the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for the correct command syntax when using the LCL or RMT parameter with the #SC VOL command.

**EMCMN37E**

**INVALID DELIMITER IN xxx SPECIFICATION**
**EMCMN38E**

**Cause**
An #SQ or #SC command with the RMT or LCL(\textit{cuu...}) option was requested, and an invalid delimiter was found in the specification. In the message, \textit{xxx} is LCL or RMT.

**Action**
Check the command syntax, and reenter the command.

**EMCMN39E**

**Cause**
An #SC VOL,RMT(\textit{cuu...}) command was entered, and the device number or range option was omitted.

**Action**
Reenter the command, specifying the PowerMax/VMAX device number or range.

**EMCMN3AE**

**Cause**
An SC or SQ command was entered with the LCL(\textit{cuu,srdfgrp}) or RMT(\textit{cuu,hoplist,srdfgrp}) option, and the SRDF group number specified by \textit{srdfgrp}, or contained within \textit{srdfgrp} if a list was specified, was invalid. Additional information, specified by info, will be used by EMC if customer support is required to resolve the problem.

**Action**
Check the command syntax. Issue an #SQ LINK or #SQ VOL command to determine what SRDF group numbers are valid in your configuration. Reenter the command.

**EMCMN3BE**

**Cause**
An #SC VOL,...,MOVEPAIR,... command was issued. However, the target SRDF group, specified as the positional parameter following the device range, was missing. The command is not processed.

**Action**
Correct and submit the command again.
Cause
An #SC VOL,...,MOVEPAIR,... command was issued. However, the source SRDF group, specified subparameter 2 of LCL (or subparameter 3 of RMT), was missing. The command is not processed.

Action
Correct and submit the command again.

EMCMN3CE

MOVEPAIR requires either 'LCL' or 'RMT'

Cause
An SC VOL,....,MOVEPAIR,... command was issued. However, the second parameter of the command was neither the LCL or the RMT keyword parameter. The command is not processed.

Action
Correct and submit the command again.

EMCMN3DE

CREATEPAIR(NOCOPY) specified, but prohibited by initialization parameters

Cause
An #SC VOL,....,MOVEPAIR,... command was issued specifying the CREATEPAIR action with the NOCOPY flag. However, the Host Component initialization parameter ALLOW_CRPAIR_NOCOPY was set to NO. The action is denied.

Action
Do not specify the NOCOPY flag if your Host Component initialization parameters prohibit the use of this flag.

EMCMN3EE

Group name invalid with SUSP-CGRP

Cause
An #SC VOL command was issued with action SUSP_CGRP. However, the GROUP or SCFGROUP keyword was used. These keywords are not valid for the SUSP_CGRP action. This is treated as a syntax error, and the command is not processed.

Action
Specify cuu, LCL(cuu,srdfgrp), or RMT(cuu,hoplist,srdfgrp), where cuu is the z/OS address of a device in the consistency group to be tripped, and srdfgrp is the applicable SRDF group, if needed.
EMCMN3FE

LCL or RMT required for cascaded action

**Cause**
An #SC VOL command was issued for a composite action, but neither the LCL nor the RMT keyword is present. Composite actions require that an SRDF group be specified or implied, which may only be the case in the context of a LCL or RMT keyword. The command is rejected as syntactically incorrect.

**Action**
Reissue the command, specifying LCL or RMT with appropriate subparameters.

EMCMN40E

GROUP NAME MISSING OR INVALID, COMMAND ABORTED

**Cause**
An #SQ or #SC command was entered with the G(groupname) option, and the groupname specified in the command is not defined either as an SMS group or as a user-defined group.

**Action**
Verify the spelling of the group name you specified. If you expected the group to be defined as an SMS group, check with your SMS administrator for a list of the valid group names in your system. Correct and reenter the command.

EMCMN41E

UNABLE TO RESOLVE GROUP NAME groupname, RC=returncode, RE=reasoncode

**Cause**
An #SQ or #SC command was entered with the G(groupname) option, and SMS was unable to service the request.

**Action**
Check with your SMS administrator for a list of the valid group names and the state of SMS in your system. Correct and reenter the command.

EMCMN42I

NO VOLUMES IN GROUP groupname

**Cause**
An #SQ or #SC command was entered with the G(groupname) option. However, the SMS group you specified contains no online volumes.
Action
Ensure that you have specified the correct group name. If you have, determine why none of the volumes in the specified group is online. Correct and reenter the command.

**EMCMN43E**

**CQNAME PARAMETER MISSING OR INVALID**

**Cause**
A command was entered with the CQNAME= parameter specified incorrectly.

**Action**
Reenter the command correctly.

**EMCMN44E**

**CQNAME NOT ALLOWED FOR THIS COMMAND**

**Cause**
A command was entered with the CQNAME= parameter specified, However, CQNAME is not supported for the command entered. The 'STOP', 'SC GLOBAL,SWAPLOG', 'SC GLOBAL,SSID_REFRESH', and 'SC GLOBAL,PARM_REFRESH' commands do not permit a CQNAME to be specified.

**Action**
Reenter the command without the CQNAME parameter.

**EMCMN45E**

**SSID MISSING OR INVALID**

**Cause**
An #SQ or #SC VOL command was issued with an SSID parameter, but the specified SSID is not valid.

**Action**
Reissue the command with a valid SSID.

**EMCMN46E**

**SSID INVALID DELIMITER**

**Cause**
An #SQ or #SC VOL command was issued with an SSID parameter, but the specified SSID was not followed by a closing “)” parenthesis.

**Action**
Review the syntax and reenter the command.
**EMCMN47E**

**SSID nnnn NOT FOUND, TRY SC GLOBAL,SSID-REFRESH**

**Cause**
A query command was issued with the SSID parameter, but the specified SSID was not found or no devices were found online in that SSID.

**Action**
Issue an #SQ SSID, ALL or an #SQ CNFG command to get a list of the valid SSIDs. Reissue the command with a valid SSID.

**EMCMN48E**

**LCL(ddd) INVALID, MUST USE LCL(ddd,rdfgroup#)**

**Cause**
An #SC VOL command was entered with the LCL(...) keyword; however, the SRDF group was not supplied.

**Action**
For a concurrent SRDF device, reenter the command, specifying the LCL keyword and the SRDF group. For a non-concurrent SRDF device, reenter the command, specifying the MVS device number without the LCL keyword.

**EMCMN49E**

**ILLEGAL DYNAMIC RDF FLAG COMBINATION**

**Cause**
An #SC VOL command with a dynamic SRDF action code was issued, but an invalid flag combination was specified.

**Action**
Review the list of specified flags. Make the necessary corrections and submit the command again.

**EMCMN4AE**

**MOVEPAIR source and target RDF groups the same**

**Cause**
An #SC VOL command was detected with a MOVEPAIR or HMOVEPAIR action. However, the source and target SRDF groups specified in the command are the same, which is not permitted. Consequently, the command fails.

**Action**
Determine the result that was intended and reissue the command, if appropriate, specifying valid parameters.
EMCMN4BE

**SYNTAX ERROR - MISSING COMMA IN COMMAND STRING**

**Cause**
A required comma is missing in the SRDF Host Component command string that was entered.

**Action**
Reissue the command string with the required comma. Check the Syslog immediately preceding this error message to see the command string to which this message pertains.

EMCMN50E

**xxx SPECIFICATION NOT SUPPORTED FOR SWAP CREATEPAIR DELETEPAIR**

**Cause**
An #SC VOL command with a dynamic SRDF action code and the RMT(cuu,...) format of the command was used.

**Action**
For CREATEPAIR, use the #SC VOL,LCL(cuu,srdfgrp#)... format of the command. For SWAP and DELETEPAIR, use the #SC VOL,cuu ... format of the command.

EMCMN51E

**CONTROLLER NAME SPECIFICATION ERROR - text**

**Cause**
A command was entered that attempted to identify a storage system by name. However, an error identified by 'text' was encountered. The following may appear:

- **NAME NOT SPECIFIED**
  - The CONTROLLER keyword did not include a value.

- **INVALID NAME SPECIFIED**
  - The storage system name length specified was greater than 65, the maximum length allowed.

- **CONTROLLER NOT FOUND**
  - No online storage system was found with the specified storage system name.

- **INVALID PARAMETER FORMAT**
  - A right parenthesis did not follow the storage system name in the command.

- **INVALID GROUP SPECIFIED**
  - The specified SRDF group number exceeded the maximum allowed for the storage system with the specified storage system name.
If the error is a syntax error, correct the error and submit the command again. If CONTROLLER NOT FOUND is shown, determine whether the storage system name has been incorrectly specified or whether the storage system is offline. If INVALID GROUP SPECIFIED is shown, correct the group number or the storage system specification as required.

**EMCMN52E**

VOLSER NAME MISSING OR INVALID, COMMAND ABORTED

**Cause**
An #SQ VOL,V(vvvvvv) command was issued, but the volser was not specified correctly.

**Action**
Issue the command again with the correct online volser name.

**EMCMN53E**

Hop not permitted for local request

**Cause**
A command was issued specifying the LCL keyword parameter. However, the second subparameter specifies a hop list containing two or more hops (SRDF group numbers separated by periods). The hop list specified with the LCL keyword must consist of a single SRDF group number only. The command is not processed.

**Action**
Correct and submit the command again.

**EMCMN54E**

INVALID SESSION NUMBER SPECIFIED BY KEYWORD

**Cause**
An #SQ SRDF/A or #SQ SRDF/A_VOL command was issued with the SN keyword. However, the value specified, an SRDF/A session number, is not valid.

**Action**
Specify a valid SRDF/A session number and submit the command again.

**EMCMN55E**

CLOSING PARENTHESIS MISSING FROM SN KEYWORD VALUE
Cause
An #SQ SRDF/A or #SQ SRDF/A_VOL command was issued with the SN keyword. However, the closing parenthesis “)" was omitted after the value, an SRDF/A session number.

Action
Include a right parenthesis after the SRDF/A session number.

EMCMN56E

ADC-MAX COUNT MISSING OR INVALID, COMMAND ABORTED

Cause
An #SC VOL command with the ADC-MAX action was issued; but the count field was missing or invalid.

Action
Correct the count value and reissue the command.

EMCMN57E

ADCOPY_GLOBAL_RATE MUST BE SPECIFIED AS FAST, MEDIUM, OR SLOW

Cause
An #SC CNFG, cuu, ADCOPY_GLOBAL_RATE command was specified; but, the rate was specified incorrectly.

Action
Specify the rate as FAST, MEDIUM, or SLOW.

EMCMN58E

ADCOPY_RATE MUST BE SPECIFIED AS MAXIMUM, FAST, MEDIUM, OR SLOW

Cause
An #SC VOL command was issued with an action code of ADCOPY_RATE; however, the rate value was either not specified or was specified incorrectly.

Action
Reenter the command with a valid rate specification.

EMCMN59E

Bad\missing hop list, group group invalid or unresolved

Cause
Unable to discover a remote storage system because the hop list was invalid or not specified. The group number displayed is the one that could not be resolved. When the group number is x'ff', it indicates that a hop list was not specified or that a hop from the CCUU specified on the command could not be determined.
Action
Specify a valid hop list with the command.

EMCMN5BE

Single Session SRDF/A Recovery is not supported

Cause
Auto Recovery for single session SRDF/A (non-MSC mode) is not currently supported.

Action
Perform manual recovery for the SRDF/A group as follows:
1) Resume the R1 devices: SC VOL, LCL(ccuu,ra), RDF_RSUM, ALL
2) Activate SRDF/A: SC SRDFA, LCL(ccuu,ra), ACT

EMCMN60E

SYNCH DIRECTION NOT ALLOWED

Cause
An #SC GLOBAL,SYNCH_DIRECTION (or #SC CNFG with SYNCH_DIRECTION action) command was requested; however, the SYNCH_DIRECTION_ALLOWED initialization parameter specified NONE or did not allow the requested R1-R2 synchronization direction (R1>R2 or R1<R2).

Action
The command is aborted.

EMCMN61E

SYNCH DIRECTION MISSING OR INVALID

Cause
An #SC GLOBAL,SYNCH_DIRECTION command was requested; however, the value is missing or was not one of the accepted values.

Action
The command is aborted.

EMCMN62E

SC(ONFIG) GLOBAL, ACTION MISSING OR INVALID

Cause
An #SC GLOBAL command was requested; however, the action code was either missing or was not one of the accepted values.
**Action**
The command is aborted.

**EMCMN64E**

**SPECIFIED CUU IS IN EXCLUDED DEVICE RANGE**

**Cause**
A Host Component command was entered, and an MVS device number that was in the excluded device range initialization parameters was specified.

**Action**
Select another device or change the initialization parameters, and restart the SRDF Host Component.

**EMCMN65E**

**Extraneous third LCL subparameter detected**

**Cause**
An #SC VOL command used the LCL keyword parameter with more than two subparameters, for example, LCL(3320,1E,68). The LCL keyword parameter may have only two subparameters unless the action is CASCRE. Consequently, the command fails with a syntax error.

**Action**
Remove the extraneous subparameter and reissue the command.

**EMCMN67I**

**SWAPPING LOG FILE FROM DDNAME=xxxxxxxx TO DDNAME=xxxxxxxx**

**Cause**
An #SC GLOBAL,SWAPLOG command was issued and the log was swapped.

**Action**
None.

**EMCMN69E**

**SPECIFIED CCU IS A VIRTUAL DEVICE**

**Cause**
A command was issued to a virtual device for the I/O path. Virtual devices cannot be used for the I/O path.

**Action**
Use a different device in the storage system.
EMCMN70E

RANGE IS NOT ALLOWED FOR THIS COMMAND

Cause
An SRDF Host Component command was issued with an z/OS or PowerMax/VMAX device range, and the command was not #SC VOL.

Action
Device range specifications (consisting of two z/OS or PowerMax/VMAX device numbers separated by a ' - ') are only allowed on an #SC VOL command. Check your syntax and reenter the command.

EMCMN71I

SWAPPING OF LOG FAILED. ONLY ONE LOG FILE DECLARED.

Cause
Only one log file was declared (HCLOG1 or HCLOG2) and an #SC GLOBAL,SWAPLOG command was entered.

Action
None.

EMCMN72E

CLOSE FAILED FOR ddname

Cause
During shutdown of the SRDF Host Component, an attempt was made to close the log file; however, the attempt failed.

Action
Scan the system log for messages that may tell why the close failed.

EMCMN73I

CLOSE SUCCESSFUL FOR ddname

Cause
During shutdown of the SRDF Host Component, an attempt was made to close the log file. The close was successful.

Action
None.
EMCMN75W

COMMAND LOGGING SUSPENDED

**Cause**
The log file has filled, and command logging is suspended.

**Action**
If only one log file was declared (DDname HCLOG1 or HCLOG2) in the startup JCL, command logging is suspended for the duration of this execution of the SRDF Host Component. If both log files were declared, issue the #SC GLOBAL SWAPLOG command to begin logging commands on the alternate file.

**Note**
#SQ GLOBAL may be used to display the current log file.

EMCMN76E

UNRECOGNIZED PARAMETER

**Cause**
An #SQ LINK,cuu,x command was entered, and x was not a valid parameter.

**Action**
Check your command syntax and reenter the command.

EMCMN77E

SYMMETRIX xxxxxxxxx SUBTASK IS BUSY, REQUEST ABORTED

**Cause**
An #SC or #SQ command was entered with the G(smsgroupname) option, and the storage system, identified by xxxxxxxx, was busy performing a request of the same type.

**Action**
Wait for the previous command to complete and then try the request again.

EMCMN79I

NO ELIGIBLE ONLINE DEVICES FOUND IN GROUP xxxxxxxx

**Cause**
An #SC or #SQ command was entered with the G(groupname) option, but no volumes were online and eligible for the request.
**Action**
Verify that the correct SMS group name was specified. Check the devices in the SMS group to ensure that they are online. If the command was an #SC VOL command, use an #SQ VOL command to ensure that the group contains online devices of the correct type for the specified action.

---

**EMCMN7BI**

No online devices found matching volser/mask

**Cause**
An SQ or SC command was issued with location information specified via the VOL keyword parameter. This parameter specifies a volser or mask used to select devices. The command then applies to each storage system on which at least one of the selected devices reside. However, no matching volser was found, so no applicable storage system could be determined. The command was therefore not processed.

**Action**
Correct the volser or mask, or specify the location information for the command in a different way, such as via a gatekeeper or a defined, SCF, or SMS group, and reissue the command.

---

**EMCMN80E**

COMMAND ABORTED, QUEUE HAS BEEN PURGED FOR CQNAME=qname

**Cause**
A command was entered with the CQNAME= parameter specified, and the specified qname has been purged recently.

**Action**
Wait a minute, and reenter the command.

---

**EMCMN81I**

SRDF HOST COMPONENT V._._ ._ NOW PROCESSING COMMANDS

**Cause**
Issued when SRDF Host Component initialization completes and starts processing commands.

**Action**
None.

---

**EMCMN82E**

STOP COMMAND NOT ALLOWED
SRDF Host Component

**EMCMN83E**

**CQNAME NOT ALLOWED**

**Cause**
A command with the CQNAME= parameter was entered from the batch interface.

**Action**
CQNAME is not supported from the batch interface. Remove this parameter, and submit the job again.

**EMCMN84E**

**SCF SUBSYSTEM NOT FOUND**

**Cause**
The Host Component was started and the SCF subsystem was not found. The Host Component requires the SCF subsystem to be running before it can run.

**Action**
Start your SCF subsystem. After the SCF subsystem is started and has completed its device scan, start SRDF Host Component.

**EMCMN85E**

**SCF SUBSYSTEM FOUND WITH VERSION nnn AND SRDF HOST COMPONENT VERSION nnn IS NOT COMPATIBLE WITH IT**

**Cause**
During operation of SRDF Host Component, it was found that the SCF instance with which it was going to communicate was an incompatible version. This can happen if a currently running SCF is shut down and an incompatible version is subsequently brought up while SRDF Host Component is running. This condition is also detected during startup of SRDF Host Component if the currently running version of SCF is an incompatible version.

- When this problem is detected after SRDF Host Component has already been running, then SRDF Host Component communication with SCF is halted and an EMCMN86R WTOR message is issued.
- When this problem is detected during startup of SRDF Host Component, this message is issued and SRDF Host Component shuts down with return code 8.

**Action**
- If an EMCMN86R WTOR message is issued: Shut down the incompatible version of SCF and bring up the correct version. If SRDF Host Component remained
operating but halted communication with SCF, reply "RETRY" to the EMCMN86R WTOR message once the correct version of SCF has been started and completed initialization.

- If SRDF Host Component shut down with return code 8: bring SRDF Host Component back up.

**EMCMN86R**

SCF SUBSYSTEM NOT FOUND - START SCF AND RETRY

or

SCF SUBSYSTEM NOT FOUND - START SCF AND RETRY OR CANCEL

**Cause**

SRDF Host Component was started and the SCF subsystem was not found. SRDF Host Component requires the SCF subsystem to be running before it can run.

**Action**

Start your SCF subsystem and retry the operation. If SCF is in the process of starting up, reply CANCEL.

**EMCMN87I**

SCF SUBSYSTEM FOUND - BUT WAITING ON DEVICE TABLE INITIALIZATION

**Cause**

SRDF Host Component was started and the SCF subsystem was found, but not completely initialized. Host Component requires the SCF subsystem to be running and the SCF device table to be initialized before it can run. This message is issued approximately every 307 seconds until the SCF device table initializes. If the SCF subsystem fails to initialize after 12 attempts, this message is issued and the I/O returns with an error.

**Action**

Wait. The SCF subsystem is running for this message to be issued. After the device table is initialized, Host Component continues automatically.

**EMCMN88E**

EMCTF IS NOT FOUND - TIMEFINDER COMMANDS ARE NOT AVAILABLE

**Cause**

A command was issued to SRDF Host Component that requires EMCTF, the Dell EMC TimeFinder/Mirror program. EMCTF was not found, preventing the command from running.

**Action**

If you are licensed for TimeFinder/Mirror, include the library that contains EMCTF in the SRDF Host Component STEPLIB. If you are not licensed for TimeFinder/Mirror, contact your Dell EMC sales representative.
EMCMN89E

STARTING VOLSER IS NOT VALID

Cause
The starting, specified VOLSER contained non-alphanumeric data.

Action
Specify the starting VOLSER again using only alphanumeric data.

EMCMN8AE

SRDFA action failed validation

Cause
A condition exists that is preventing the action from occurring.

Action
Review all earlier messages, display all devices involved in the action, and correct any anomalies you find.

EMCMN8BE

SRDFA Devices failed validation

Cause
One or more devices are either not in the correct state or the connection between the local device and the remote device is invalid. A common cause of the error is missing remote devices.

Action
Display the devices involved in the request and correct any anomalies you find. Then either resubmit the command or submit another command to put the devices into the desired state.

EMCMN90I

QUERY SORT ORDER IS NOW BY MVSCUU

Cause
An #SC GLOBAL,SORT_BY_MVSCUU command was issued, changing the sort order for the #SQ VOL, #SQ RAID, #SQ RAID5, #SQ RAID6, #SQ RAID10, #SQ MIRROR and #SQ STATE commands.

Action
None.
EMCMN91I

QUERY SORT ORDER IS NOW BY SYMDEV

Cause
An #SC GLOBAL,SORT_BY_SYMDEV command was issued, changing the sort order for the #SQ VOL, #SQ RAID, #SQ RAID5, #SQ RAID6, #SQ RAID10, #SQ MIRROR and #SQ STATE commands.

Action
None.

EMCMN92I

QUERY SORT ORDER IS NOW BY VOLSER

Cause
An #SC GLOBAL,SORT_BY_VOLSER command was issued, changing the sort order for the #SQ VOL, #SQ RAID, #SQ RAID5, #SQ RAID6, #SQ RAID10, #SQ MIRROR and #SQ STATE commands.

Action
None.

EMCMN93E

CREATEPAIR R2 DEVICE INCORRECT OR NOT SPECIFIED

Cause
An #SC VOL command with a CREATEPAIR action code was issued, but the device# for the new R2 device(s) was not specified or was specified incorrectly.

Action
Review the syntax for the CREATEPAIR action code, and reissue the command.

EMCMN94I

QUERY SORT ORDER IS NOW BY COMMAND

Cause
The option to use SORT_BY_COMMAND was activated.

Action
None.
EMCMN95E

SCFG(name) HAS BEEN REQUESTED, BUT THIS SERVICE IS NOT ACTIVE IN SCF

Cause
The SCF name service is being requested. However, support for the services is not available.

Action
None.

EMCMN96E

SCFG(name) HAS BEEN REQUESTED, CONTACT THE EMC CUSTOMER SUPPORT CENTER

Cause
The SCF name service is being requested. However, the support for the service is not available in SCF.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCMN97E

#SC BCV,LCL AND #SQ BCV,LCL ARE NOT SUPPORTED COMMANDS

Cause
The LCL format of the BCV commands is not supported.

Action
Use the standard format of the BCV command.

EMCMN98E

SCFG(groupname) message-text

Cause
An SCFG request was entered and the SCF GNS service failed. The message-text displays the corresponding error text string listed below with the causes and actions for each.

GNS HAS NOT COMPLETED INIT. TRY LATER.
An SCFG request was made while SCF was still initializing.
Wait a while and reenter the request.
GROUP NAME WAS NOT SUPPLIED

SRDF Host Component did not supply a valid *groupname* to SCF GNS.

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

GROUP NOT FOUND

The requested group name was not defined.

Check the group name specified. Reenter the command with the correct group name.

INSUFFICIENT STORAGE IN SCF SERVER

SCF GNS was unable to obtain enough virtual storage to satisfy the request.

Check the region for the SCF server address space.

INVALID @EMCGRP VERSION ID

The running version of SCF GNS is incompatible with the running version of SRDF Host Component.

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

I/O ERROR

An I/O error occurred while processing the GNS request.

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

OUTPUT BUFFER IS TOO SMALL

An SCFG request was made and GNS tried to return more than 32k worth of information.

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

PC ROUTINE ABENDED

An abend occurred in the SCF interface.

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

REQUEST IS NOT VALID

Host Component made a request to GNS, and GNS did not recognize the request type. This may indicate a software level incompatibility between SCF (ResourcePak Base) and SRDF Host Component, or it is the result of a software error.

Check the SRDF Host Component and SCF versions. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance.
assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**REQUEST TIMED OUT. GNS NOT RESPONDING**

This message indicates that the GNS request was attempted, but failed. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the SCF job log, and all relevant job documentation available.

**SCF MAY NOT BE ACTIVE**

An SCFG request was made, but SCF is not active. Ensure that SCF is started and reenter the request.

```
xxxxxxxxx/yyyyyyyy UNKNOWN GNS RC/RE
```

An unknown return-code/reason-code was returned by GNS. This may indicate a software level incompatibility between SCF and SRDF Host Component, or it is the result of a software error.

Check the SRDF Host Component and SCF versions. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**Action**

See the actions listed above for each error text string.

---

**EMCMN99R**

**STOP REQUESTED, REPLY QUIESCE, IMMED, OR CANCEL**

**Cause**

A #STOP or a P procname command was entered, and the command queues are not empty.

**Action**

Reply QUIESCE to wait until all queued commands are completed. Reply IMMED to terminate without running the queued commands. Reply CANCEL to cancel the request to stop SRDF Host Component.

---

**EMCMN9AE**

**CASCRE site C device incorrect or not specified**

**Cause**

An #SC VOL command with the CASCRE action was entered. This action requires a starting device number for the devices to become R2 as a result of the CASCRE action. However, this device number was omitted or was not a valid PowerMax/VMAX device number. Consequently, the command has failed with a syntax error.
EMCMN9BE

CASCRE remote RDF group not specified

Cause
An #SC VOL command was issued with the CASCRE action. The CASCRE action requires that you specify both a local SRDF group and a remote SRDF group. However, the remote SRDF group, specified as the third subparameter of the LCL keyword or the fourth subparameter of the RMT keyword, is missing. Consequently, the action fails on a syntax error.

Action
Include the remote SRDF group and reissue the command.

EMCMN9CR

SUBTASK STILL ACTIVE, ENTER STOP OR WAIT

Cause
A #STOP or a P procname command was entered, and a subtask is still active.

Action
Reply WAIT to wait until the subtask is ended. Reply STOP to terminate the subtask.

EMCMNA0E

SQ DSTAT: INVALID DIRECTOR # SPECIFIED

Cause
An SQ DSTAT, cuu, dir# was entered and an invalid director number was supplied

Action
Reenter the command specifying a valid director number.

EMCMNA1W

SCFG(gsnegroup) GNS RETURNED PARTIAL GROUP UNABLE TO RESOLVE SERIAL
symmetrix_serial# END OF LIST OF UNRESOLVED SERIAL #'S

Cause
An SCFG request was entered and SCF GNS was not able to return some of the devices because the related storage systems are no longer available. SQ commands will continue processing and display the information for the available storage systems. SC commands will abort. The serial for each unavailable storage system will be listed.
Action
Identify why the related storage systems are no longer available. If this is a valid situation, then enter the appropriate SCF commands to rebuild the groups.

EMCMNA2E

SCFG(\textit{groupname}) \text{ GNS RETURNED EMPTY GROUP}

Cause
An SCFG request was entered and SCF GNS returned an empty group. The command is aborted.

Action
Check the group name and the group definition within SCF.

EMCMNA3E

SCFG(\textit{groupname}) \text{ GNS VERSION ERROR}

Cause
An SCFG request was entered and the running version of SCF GNS is incompatible with the running version of SRDF Host Component.

Action
Check the SRDF Host Component and SCF versions. Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCMNA4I

Device table initialization now complete

Cause
The SCF device table is initialized.

Action
None.

EMCMNA5E

SCFG(\textit{groupname}) \text{ has invalid devices.}

Cause
An \#SC VOL,SCFG(\textit{groupname}) command was entered and the GNS group was not defined by SRDF group and the devices in this group either have more or less than 1 SRDF mirror.
Action
Check the group definition within SCF and issue a #SQ VOL,SCFG(groupname) to determine which devices are failing.

**EMCMNA6E**

This group type is intended for MSC use only

**Cause**
An SCFG request was entered and SCF GNS returned an empty group. This GNS group type is intended for MSC use only and is not compatible for use with SRDF Host Component.

**Action**
Check the group name and the group definition within SCF and verify that the group was not expanded into devices.

**EMCMNB0E**

SC SRDFA,xxxx,SET_HOST_THROTTLE,vvvvv REQUIRES VALUE vvvvv = 0 - 65535

**Cause**
The SET_HOST_THROTTLE value vvvvv is not within the range of 0 and 65535.

**Action**
Use a value 0 <= vvvvv <= 65535 and reissue the command.

**EMCMNB1E**

SC SRDFA,xxxx,SET_CACHE_LIMIT,vvv REQUIRES VALUE vvv = 0 - 99

**Cause**
The SET_CACHE_LIMIT value vvv is not within the range of 0 and 99.

**Action**
Use a value 0 <= vvv <= 99 and reissue the command.

**EMCMNB2E**

SC SRDFA,cuu,SET_MIN_CYCLE_TIME,vvv REQUIRES VALUE vv = 1 - 59

**Cause**
The SET_MIN_CYCLE_TIME value vv is not within the range of 1 and 59.

**Note:** Minimum cycle times less than 5 are valid only if both the remote and local storage systems for the SRDF group are at Enginuity 5773 or a later level of the operating environment.

**Action**
Use a value 1 <= vv <= 59 and reissue the command.
**EMCMNB3E**

**SC SRDFA,xxxx, SET_DROP_PRIOROTY,vv** REQUIRES VALUE vv = 1 - 64

**Cause**
The SET_DROP_PRIOROTY value vv is not within the range of 1 and 64.

**Action**
Use a value $1 \leq vv \leq 64$ and reissue the command.

**EMCMNB4E**

**INVALID RDF-SUSP FLAGS SPECIFIED**

**Cause**
You have issued an #SC VOL RDF_SUSP command with an invalid special processing flag.

**Action**
Rerun the command without the flag.

**EMCMNB6E**

**SC VOL,xxxx,yyyyyyy NOT SUPPORTED FOR RPB RELEASE rrr - COMMAND ABORTED**

**Cause**
Where yyyyyyy is either ONLINE or OFFLINE and rrr is the ResourcePak Base release level that is used with SRDF Host Component. To use the ONLINE and OFFLINE commands, ResourcePak Base V5.6.0 or later is required.

**Action**
After installing ResourcePak Base V5.6.0 or later, reissue the command.

**EMCMNB7W**

**#SQ BCV WILL NOT BE SUPPORTED IN FUTURE VERSIONS - USE #TF COMMAND**

**Cause**
An #SQ BCV command has been issued that is not be supported after the release of V5.4.0 of SRDF Host Component.

**Action**
Use the newer #TF command for TimeFinder commands and queries. The #TF command provides all of the current TimerFinder functionality; the #SQ BCV command may be outdated.

See the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for the proper use of #TF. Note that this warning message is issued after each time SRDF Host Component is restarted.
EMCMNB8W

#SC BCV WILL NOT BE SUPPORTED IN FUTURE VERSIONS - USE #TF COMMAND

**Cause**
An #SC BCV command has been issued that will not be supported after the release of V5.4.0 of SRDF Host Component.

**Action**
Use the newer #TF command for TimeFinder commands and queries. The #TF command provides all of the current TimerFinder functionality; the #SC BCV command may be outdated. See the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for the proper use of #TF. Note that this warning message is issued after each time SRDF Host Component is restarted.

EMCMNB9E

SC SRDFA_DSE,xxxx,THRESHOLD,vvv REQUIRES VALUE vvv = 20 - 100

**Cause**
An #SC SRDFA_DSE command to set the threshold has been issued with the value vvv outside of the valid range of 20 to 100.

**Action**
Set vvv to a value between 20 and 100.

EMCMNCOE

SC RECOVER REJECTED, MSC GROUP REQUIRED

**Cause**
The MSC group name is a required parameter.

**Action**
Specify the command again, supplying the MSC group as follows: #SC RECOVER,MSC(group_name).

EMCMNC1E

SC RECOVER REJECTED, MSC ENVIRONMENT ERROR

**Cause**
An environmental error was discovered, preventing the completion of the #SC RECOVER command.

**Action**
This should not occur if SCF is active. Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all
relevant job documentation available. A console dump of the SCF and Host Component address spaces may be requested as well.

### EMCMNC2E

**SC RECOVER REJECTED, MSC IS NOT-active**

**Cause**  
The #SC RECOVER command could not be processed because MSC is not active.

**Action**  
A manual recover of the SRDF/A environment will be required to restore MSC to an operational state.

### EMCMNC3E

**SC RECOVER REJECTED, INVALID MSC GROUP**

**Cause**  
An invalid MSC group name was supplied.

**Action**  
Specify the command again, supplying the correct MSC group.

### EMCMNC4E

**SC RECOVER REJECTED, AUTO RECOVERY IS ACTIVE**

**Cause**  
Only one SRDF Automated Recovery operation can be active.

**Action**  
Wait for the current SRDF Automated Recovery procedure to complete. At the completion of the procedure, MSC should automatically resume.

### EMCMNC5E

**Unrecognized option xxxxxxxx**

**Cause**  
The indicated option was found in the option list included in an #SC command. However, the option is not known to SRDF Host Component. The command is not processed.

**Action**  
Correct the invalid #SC command and submit again.
EMCMNC6E

An invalid delimiter follows flag-name

Cause
A character other than a comma or a right parenthesis was found following the indicated flag name. The command fails during syntax checking.

Action
Correct the erroneous command. Include the missing comma or right parenthesis as appropriate and submit the command again.

EMCMNC7E

SC RECOVER rejected, invalid option xxxxxxxx

Cause
An invalid option was specified with the SC RECOVER command.

Action
Resubmit the command, specifying the correct options.

EMCMNC8E

SC RECOVER rejected, Auto Recovery is not enabled

Cause
An #SC RECOVER,MSC(msc_group) command was issued to initiate MSC Auto Recovery. However, Auto Recovery cannot be done when it is not enabled.

Action
SRDF/A must be manually restarted for each MSC group. To allow MSC Auto Recovery for future events, specify SRDFA_AUTO_RECOVER=YES | PROMPT (in the SRDF Host Component initialization parameter file) and cycle SRDF Host Component.

EMCMND3E

UNKNOWN "KEYWORD=" PARM ENTERED

Cause
An SRDF Host Component command was entered specifying an unknown keyword parameter utilizing the = sign.

Action
Check to make sure you entered a valid keyword parameter for the SRDF Host Component command you are issuing.
EMCMND4I

END OF QUERY|CONFIG

Cause
An SRDF Host Component SQ (QUERY) or SC (CONFIG) command with the SCFG(<gns group>/ <g grou pname>/VOL(<vol ser>) parameter was issued, and the GNS group exists. This message indicates the end of information displayed as a result of the query/configuration command.

Action
None.

EMCMND5I

LIST OF FILTER CODES AND THEIR DESCRIPTIONS

Cause
This message is the result of issuing a “HELP CODES,FILTER” command. It displays an explanatory list of all the filters that can be used on the SQ display commands.

Action
None.

EMCMND6I

LIST OF MR CODES AND THEIR DESCRIPTIONS

Cause
This message is the result of issuing a “HELP CODES,MR” command. It displays an explanatory list of all the MR codes that can appear on the SQ display commands.

Action
None.

EMCMND7E

RDF group xx on serial ssssss-sssss is offline

Cause
An SRDF Host Component RMT form command was entered and one of the groups specified in the path to the target storage system was offline. In the message text, xx indicates the SRDF group number of the offline group and ssssss-sssss indicates the serial number of the storage system on which the offline group resides.

Action
Either find another path to the target storage system, or contact the Dell EMC Customer Support Center for technical assistance in setting the offline group to an online state.
EMCMND8E

Unable to acquire memory for buffer pool copy

Cause
Internal module was unable to obtain memory.

Action
Save the dump information if exists. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Ensure you have all relevant job documentation available.

EMCMND9W

Unable to release buffer pool copy

Cause
Internal module was unable to release memory.

Action
Save the dump information if exists. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Ensure you have all relevant job documentation available.

EMCMNDAE

Unrecoverable error during PUT

Cause
SRDF Host Component was unable to write a record to the log.

Action
Save the dump information if exists. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Ensure you have all relevant job documentation available.

EMCMNDBI

Logging has been resumed.

Cause
An #SC GLOBAL,SWAPLOG command was issued and logging has been resumed.

Action
None.
### EMCMNDCI

**Current HCLOG is** *ddname*

**Cause**
The message is issued to indicate the active HCLOG when SRDF Host Component stops.

*ddname* is the current DDNAME (HCLOG1 or HCLOG2).

**Action**
None.

---

### EMCMNDDE

**Specified TF/M command longer than 72 characters.**

**Cause**
A TimeFinder/Mirror command was specified that is longer than 72 characters, which is not allowed.

**Action**
Correct the command to the acceptable length and retry.

---

### EMCMX03I

**USER MSG EXIT FOR** *msgid*

or

**USER MSG EXIT FOR** *msgid*, **MVS DEVICE NUMBER IS** *cuu*

or

**USER MSG EXIT FOR** *msgid*, **MVS DEVICE NUMBERS FOLLOW:** *cuu1-cuu2*

**Cause**
Sample exit message.

**Action**
None.

---

### EMCPC01I

**SAI RETURN R15=xxxxxxx RC=xxxx RS=xxxx**

**Cause**
Error occurred in Symmetrix API.
Action
When RC=0014 and RS=0051, the device specified in the SRDF Host Component command is not available to the host system. Check to see that the correct device number was specified and that the device is physically available. Enter a “D U” MVS operator command, and ensure that the device status does not indicate “BOX.” Enter a “DEVSERV PATH” MVS operator command to ensure that there is at least one operational path to the device.

For any other RC/RS combination, contact the Dell EMC Customer Support Center for technical assistance.

EMCPC03W

SYMMETRIX UNIT AT xxxx IS AT A HIGHER MICROCODE RELEASE THAN IS FULLY SUPPORTED BY YOUR VERSION OF THE SRDF HOST COMPONENT. SOME HOST COMPONENT FUNCTIONALITY MAY BE LOST FOR THIS SYMMETRIX UNIT. CONTACT YOUR EMC REPRESENTATIVE FOR ASSISTANCE IN OBTAINING A HOST COMPONENT UPGRADE.

Cause
xxxx represents the MVS cuu of a volume on the storage system at a later operating environment level than that fully supports the SRDF Host Component software revision level you are currently running. The SRDF Host Component issues this message once for each storage system director it detects at a later, unsupported operating environment level when it first references that director with a command.

Action
Contact the Dell EMC Customer Support Center for technical assistance.

EMCPC06E

CNTLUNIT IS IN DATA MIGRATION MODE, REQUEST ABORTED

Cause
An SRDF Host Component command was requested while the storage system was in Data Migration mode. Data Migration mode is not supported by SRDF Host Component.

Action
None. The command is aborted.

EMCPC07E

NOT AN RDF DEVICE, RAGROUP MUST BE SPECIFIED

Cause
An #SC or #SQ command was issued with the RMT(...) option, the CUU specified was not an SRDF device, and an SRDF group number was not specified.

Action
Reenter the command, specifying an SRDF group number or a CUU that is an SRDF device.
EMCPC08I

RAGROUP gg DOES NOT EXIST on xxxxxxxxxxxxx

**Cause**
An #SC or #SQ command was entered with the RMT(cuu,srdfgrp#) option specified, and the srdfgrp# does not exist. In the message, gg identifies the group and xxxxxxxxxxxxx identifies the serial number of the storage system involved.

**Action**
Issue an #SQ LINK or #SQ VOL command to determine what SRDF group numbers are valid in your configuration. Reenter the command.

EMCPC09I

RMT OPERATIONS NOT SUPPORTED AT THIS MICROCODE LEVEL

**Cause**
An #SC or #SQ command was issued with the RMT(cuu...) option, and the specified storage system is below Enginuity 5x64.

**Action**
The request is aborted.

EMCPC10I

ALL RDF LINKS ARE UNAVAILABLE FOR REQUESTED RAGROUP

**Cause**
An #SC or #SQ command was issued with the RMT(cuu...) option, and all links for the specified SRDF group are offline or disconnected.

**Action**
Check the status of the links using an #SQ LINK command. Bring the links back online using an #SC LINK command. Try the command again.

EMCPC11E

CALYPSO CONFIGURATION IS NOT SUPPORTED, REQUEST ABORTED

**Cause**
The storage system has CALYPSO turned on, and SRDF Host Component does not support this configuration.

**Action**
Do not issue commands to storage systems with CALYPSO turned on.
EMCPC12E

CONCURRENT RDF DEVICE, RAGROUP MUST BE SPECIFIED

Cause
A command has been issued to a concurrent SRDF device, and the SRDF group of the mirror the command is to reference was not specified. A default cannot be determined since the device has more than one SRDF group.

Action
Specify the SRDF group that the command is to be issued to, and reissue the command.

EMCPC13E

MULTIHOP REQUIRES RAGROUP BE SPECIFIED

Cause
A command was issued using the RMT(cuu,hoplist,srdfgrp) format. The hop list did not contain a first hop.

Action
Add the first hop, and reissue the command.

EMCPC14E

MULTI-HOP LOOP DETECTED - COMMAND ABORTED
LOCAL SERIAL# = Symmetrix serial#
FIRST HOP SERIAL# = Symmetrix serial#
SECOND HOP SERIAL# = Symmetrix serial#
THIRD HOP SERIAL# = Symmetrix serial#

Cause
An SRDF Host Component command was issued with an RMT specification, and a hop list was supplied. The hop list was specified such that at least one of the hops referenced a storage system that was touched earlier in the list. This is not supported.

Action
Review your hop list to verify that it ends at the storage system that you intended. If necessary, consolidate your hop list such that each hop does not hop to a storage system that was referenced earlier in the list.

EMCPC14I

MULTI-HOP LOOP DETECTED - COMMAND ABORTED
LOCAL SERIAL# = Symmetrix serial#
FIRST HOP SERIAL# = Symmetrix serial#
SECOND HOP SERIAL# = Symmetrix serial#
THIRD HOP SERIAL# = Symmetrix serial#
Cause
An SRDF Host Component command was issued with an RMT specification, and a hop list was supplied. The hop list was specified such that at least one of the hops referenced a storage system that was touched earlier in the list.

Action
Review your hop list to verify that it ends at the storage system that you intended. If necessary, consolidate your hop list such that each hop does not hop to a storage system that was referenced earlier in the list.

EMCPC15E

Multiples RAGRPS Found, Must Specify a RAGroup

Cause
You specified a cuu which is in a cascaded or concurrent setup. Multiple SRDF groups have been found.

Action
Specify an SRDF group and execute the command again.

EMCPC16E

GateKeeper is in SoftFenced state

Cause
An SRDF Host Component command was issued and the gatekeeper device was in a SoftFence state. The action is not allowed to be issued via a gatekeeper in a SoftFence state.

Action
Re-issue the command specifying a valid and appropriate gatekeeper.

EMCPC21I

Waiting on CNTLUNIT Display Lock - System Busy

Cause
An SRDF Host Component SQ display command was issued and is waiting to obtain the CTL_LK_CTRLANTY lock. This lock must be obtained by display commands to ensure that the data being displayed is complete and accurate. Obtaining this lock prevents other tasks from updating the information at the same time the display command is reading the data.

Action
None needed. This is a status message to let you know the display request is being processed, but is waiting to obtain this lock before the data can be read and displayed.
EMCPC22I
UNABLE TO OBTAIN CNTLUNIT DISPLAY LOCK - SYSTEM BUSY. TRY AGAIN LATER.

Cause
An SRDF Host Component SQ display command was issued and has waited the maximum time allowed for obtaining the CTL_LK_CTLRANTY lock. This lock must be obtained by display commands to ensure that the data being displayed is complete and accurate. Obtaining this lock prevents other tasks from updating the information at the same time the display command is reading the data.

Action
Try issuing the command again later when the system is less busy.

EMCPC52I
ERROR, BACK LEVEL SAI VERSION IS nnn

Cause
The Symmetrix SAI interface is back level.

Action
Check the install procedures to ensure that Host Component is installed correctly.

EMCPD01I
WAITING ON CNTLUNIT DISPLAY LOCK - SYSTEM BUSY

Cause
An SRDF Host Component SQ display command was issued and is waiting to obtain the CTL_LK_CTLRANTY lock. This lock must be obtained by display commands to ensure that the data being displayed is complete and accurate. Obtaining this lock prevents other tasks from updating the information at the same time the display command is reading the data.

Action
None needed. This is a status message to let you know the display request is being processed, but is waiting to obtain this lock before the data can be read and displayed.

EMCPD02I
UNABLE TO OBTAIN CNTLUNIT DISPLAY LOCK - SYSTEM BUSY. TRY AGAIN LATER.

Cause
An SRDF Host Component SQ display command was issued and has waited the maximum time allowed for obtaining the CTL_LK_CTLRANTY lock. This lock must be obtained by display commands to ensure that the data being displayed is complete and accurate. Obtaining this lock prevents other tasks from updating the information at the same time the display command is reading the data.
Action
Try issuing the command again later when the system is less busy.

EMCPD04I

ADCOPY CALL FAILED RSN=62 - SOME ADCOPY FUNCTIONS ARE DISABLED FOR SERIAL# symmetrix_serial#

Cause
SRDF Host Component attempted a discovery operation for the storage system with the displayed serial number. In doing so, it was found that the operating environment level was too low to utilize some adaptive copy features.

Action
This message is issued only once for the listed storage system. Contact Dell EMC Customer Support to update your operating environment level if required.

EMCPD81E

PROCDEV: R15=xxxxxxxxx RC=xxxx RS=xxxx

Cause
Error occurred in the Symmetrix API.

Action
When RC=0014 and RS=0051, the device specified in the SRDF Host Component command is not available to the host system. Check to see that the correct device number was specified, and that the device is physically available. Enter a “D U” MVS operator command, and ensure that the device status does not indicate “BOX.” Enter a “DEVSERV PATH” MVS operator command to ensure that there is at least one operational path to the device. For any other RC/RS combination, contact the Dell EMC Customer Support Center for technical assistance.

EMCPL0DE

STEAL LOCK NOT COMPLETED - LONG TERM LOCK FOR DEVICE symdv#

Cause
A PowerMax/VMAX device symdv# cannot be processed because a device external lock is already held on the device and it is designated as a long-term lock.

Action
Wait for the process that is using the device to finish before reissuing the command. The most likely other process is another SRDF Host Component command or a TimeFinder process.

EMCPL0EE

STEAL LOCK NOT COMPLETED - LOCK NOT EXPIRED FOR DEVICE symdv#
**EMCPS00I**

**SSID(S):** ssss  **TOTAL DEV(S):** tttt  **SUPPORTED DEV(S):** kkkk

**Cause**
This message is issued during SRDF Host Component initialization and after an SSID_REFRESH. All values are in decimal. *ssss* specifies the number of subsystem IDs found, *tttt* specifies the total number of disk devices found, and *kkkk* specifies the number of devices found in storage systems that support SRDF commands.

**Action**
None.

**EMCPS02E**

**SSIDTBL AT address FAILED VALIDATION**

**Cause**
The SSID table ID does not match the internal ID at the address represented by *address*.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.
EMCP03I

SSIDTBL REFRESHED, STATISTICS FOR ADDED DEVICES FOLLOW

Cause
The #SC GLOBAL,SSID_REFRESH command was issued.

Action
None.

EMCPU03E

SSIDTBL AT address FAILED VALIDATION

Cause
The SSIDTBL table ID does not match the internal ID at the address represented by address.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCPU05E

UCB AT address FAILED VALIDATION

Cause
The system has detected that the UCB is not a valid UCB at the address represented by address.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCPU06E

SSIDTBL AT address AND DEVTABLE AT address HAD A DEVICE MISMATCH

Cause
The device number in the SSIDTBL table does not match the corresponding device number in the DEVTABLE table.
**EMCPU07W**

**YOUR MICROCODE LEVEL IS TOO LOW TO MAKE THE MVS TO SYMMETRIX DEVICE RELATIONSHIPS**

**Cause**
The system has detected that the device is not a valid device.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

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**EMCPU08E**

**NO SSID(S) FOUND IN THE SSIDTBL FOR symmetrix_serial#, NO MVS TO SYM RELATIONSHIP**

**Cause**
The system cannot find the match for the first SSID in the CNTLUNIT table from the SSID table.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**More Information**
Note that this message is issued with an E suffix when it is issued by a processing command and a W suffix when it is issued during data caching.

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**EMCPU08W**

**NO SSID(S) FOUND IN THE SSIDTBL FOR symmetrix_serial#, NO MVS TO SYM RELATIONSHIP**

**Cause**
The system cannot find the match for the first SSID in the CNTLUNIT table from the SSID table.
Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

More Information
Note that this message is issued with an E suffix when it is issued by a processing command and a W suffix when it is issued during data caching.

EMCPU09E

Cause
While checking the status of a device, one of the following invalid states was found, where xxxx specifies a device that has an invalid UCB:

- Device is boxed and forced offline. CUU =xxxx
- Subchannel for this device is unusable. CUU =xxxx
- HOT I/O detected, Device is boxed or not recovered yet. CUU =xxxx
- Device is not connected to a subchannel. CUU =xxxx
- Device has no operational paths. CUU =xxxx

Action
Issue the IBM DEVSERV command to display the device. Take the appropriate action to correct the state of the device and try the command again.

EMCQA01E

SQADC CANNOT PROCESS - ADCOPY CALL FAILED RSN=62

Cause
An #SQ ADC command was issued, and the ADCOPY got a RS62. The SAICALL RS62 failure only happens on a system running Enginuity 5x67 that does not have either 11184 or 12329 installed.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCQA03W

ERROR OCCURRED WHILE COLLECTING UCB INFORMATION
**EMCQA04E**

**Cause**
An #SQ ADC command was issued, and the Host Component was unable to collect UCB information for the device.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**EMCQA06E**

**Cause**
An #SQ ADC command was issued for a storage system that has no source (R1) devices.

**Action**
Select a storage system that has source (R1) devices for this command.

**EMCQA07W**

**Cause**
An #SQ ADC command was issued, and Host Component was unable to find the address for the target device.

**Action**
Ensure that the device is online to MVS, and enter an #SC GLOBAL,SSID_REFRESH command.
EMCQA08I
REQUESTED COUNT EXCEEDS NUMBER OF DEVICES IN ADAPTIVE COPY MODE

Cause
An #SQ ADC, cuu, count command was entered, and count parameter exceeds the number of volumes in Adaptive Copy mode.

Action
None.

EMCQA10I
MVS TO SYM RELATIONSHIP NOT MADE, DEFAULT TO FIRST DEVICE

Cause
An #SQ ADC, cuu command was issued, and device cuu was offline at SRDF Host Component startup. SRDF Host Component is unable to determine the PowerMax/VMAX device number from the specified cuu.

Action
Ensure that the device is online to MVS, and enter an #SC GLOBAL,SSID_REFRESH command.

EMCQA11E
COMMAND NOT SUPPORTED AT THIS MICROCODE LEVEL, COMMAND ABORTED

Cause
An #SQ ADC, cuu command was issued, and the storage system was not at Enginuity 5061 or a later level of the operating environment. The command was aborted.

Action
None.

EMCQG00I
SRDF-HC DISPLAY FOR #SQ GLOBAL

Cause
An #SQ GLOBAL command was requested.

Action
None.

Note
For a complete description of this display, refer to the #SQ GLOBAL command in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.
EMCQL00I

SRDF-HC DISPLAY FOR #SQ LINK,...

Cause
An #SQ LINK, cuu... command was requested.

Action
None.

Note
For a complete description of this display, refer to the #SQ LINK command in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.

EMCQL01I

SRDF-HC EXTENDED DISPLAY FOR #SQ LINK,...

Cause
An #SQ LINK, cuu,E command was requested.

Action
None.

Note
For a complete description of this display, refer to the #SQ LINK command in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.

EMCQL03E

THERE ARE NO RA DIRECTORS ON THIS CONTROLLER

Cause
An #SQ LINK,p1 command was issued with p1=cuu parameter, but the system is unable to find any RA director number on the storage system.

Action
Issue an #SQ CNFG,p1 command to determine if there are any RA directors. If there is, contact the Dell EMC Customer Support Center for technical assistance.

EMCQL04I

No matching directors found for selected RA group

Cause
The SQ LINK,...,RA(nn) command found no matching SRDF directors for the selected RA group.
EMCQL06E

EMCSAI CALL FAILED, RC=xxxx, RS=xxxx

Cause
Error occurred in the Symmetrix API.

Action
When RC=0014 and RS=0051, the device specified in the SRDF Host Component command is not available to the host system. Check to see that the correct device number was specified, and that the device is physically available. Enter a "D U" MVS operator command, and ensure that the device status does not indicate "BOX." Enter a "DEVSERV PATH" z/OS operator command to ensure that there is at least one operational path to the device. For any other RC/RS combination, contact the Dell EMC Customer Support Center for technical assistance.

EMCQL07E

NO LINKS FOUND - STATISTICS UNAVAILABLE

Cause
An #SQ LINK,p1 command was issued with p1=cuu parameter, but the system is unable to find any links on the storage system.

Action
Issue an #SQ CNFG,p1 command to determine if there are any RA directors and SRDF groups. If there is, contact the Dell EMC Customer Support Center for technical assistance.

EMCQM00I

THERE ARE NO MESSAGES FOR ANY EMC DEVICE

Cause
An #SQ MSG,ALL or #SQ MSG,p1 command was issued with a p1=count parameter where count represents the number of messages to display.

Action
None.

EMCQM83I

SRDF-HC DISPLAY FOR #SQ MSG,...

Cause
An #SQ MSG,... command was requested.
**EMCQM84I**

** Cause
This message is only issued to the HCLOG dataset and is only issued when the `MESSAGE_PROCESSING=LOG` initialization parameter is specified. This is the logging of the EMC9998W messages.

** Action
These messages are logged in the HCLOG dataset so a permanent record of the “EMC9998W” message can be retained.

---

**EMCQR00I**

** Cause
An #SQ RDFGRP or #SQ SRDFA command was issued.

** Action
None.

---

**EMCQR02E**

** Cause
An #SQ RDFGRP,CUU,RA(xx) command was requested, and the SRDF group xx was not found in the system referenced by the cuu.

** Action
Issue an #SQ RDFGRP,CUU command without the RA(xx) parameter. Only issue the command again with an RA(xx) that can be seen in the #SQ RDFGRP,CUU command display.
EMCQR03E

QUERY BY RA GROUP - NO ENDING PARENTHESIS

Cause
An #SQ RDFGRP,CUU,RA(xx) command was requested, and the closing parenthesis “)” was missing.

Action
Issue an #SQ RDFGRP,CUU,RA(xx) command with the closing parenthesis.

EMCQR04E

COMMAND NOT SUPPORTED AT THIS MICROCODE LEVEL, COMMAND ABORTED

Cause
A command was issued to a storage system running Enginuity 5x66 or earlier. The command requires a newer level of the operating environment.

Action
Issue an #SQ LINK,cuu... command.

EMCQR05I

NO DATA AVAILABLE - COMMAND DONE

Cause
An #SQ RDFGRP command was issued, requesting the SRDF group information; however, the storage system cannot currently report on the information. Most likely, all of the links are offline.

Action
Bring the links online and try the command again.

EMCQR06E

QUERY FOR SRDF/A - SRDF/A NOT FOUND: message-text
[VID=ccccccccccccccc R15=xxxxxxxxx RC=xxxx RS=xxxx RCX=xxxxxxxx]

Cause
An #SQ SRDFA command or subcommand (#SQ SRDFA_subcommand, that is, #SQ SRDFA_DSE, #SQ SRDFA_VOL, #SQ SRDFA_WP, and #SQ SRDFA_WP_VOL) was issued to a storage system without SRDF/A. If the #SQ SRDFA command or subcommand was issued for a specific group and SRDF/A is not active for that group, additional text appears with this message.

The message displays API error diagnostic information on the second line. If the message is not a result of an API error, the second line is displayed as a blank.
The message-text displays the corresponding error text string listed below with the causes and actions for each.

ALL DIRECTORS FOR SPECIFIED GROUP OFFLINE
All links in the group are either offline or disconnected. If the links are online on the local side, they may be offline on the remote side. This may also indicate a physical disconnection on the links.
Action: None.

GROUP SPECIFIED IS NOT DEFINED
The requested group is not defined.
Action: None.

GROUP SPECIFIED IS OFFLINE
The requested group is offline.
Action: None.

IGRP(ALL) UNKNOWN SIDE: CYCLE# N/A CYCLE TOD UNAVAILABLE < 5773
The side to which the command was issued is below Enginuity 5773.
Action: None.

IGRP(nn) *** ERROR RETRIEVING SRDF/A INFORMATION ***
An I/O error occurred while trying to retrieve information about SRDF/A.
Check that the links supported by the group are available and that the group is online. Try the command.

IGRP(nn) PRIMARY SIDE: CYCLE# N/A CYCLE TOD UNAVAILABLE ON PRIMARY
The command was issued to the primary side and the cycle TOD is not available on the primary side.
Action: None.

IGRP(nn) SECONDARY SIDE: CYCLE# <#> CYCLE TOD mm/dd/yyyy hh:mm:ss
This message indicates the command was issued to the secondary side and the primary side was at Enginuity 5773 or a later level of the operating environment. The reported CYCLE# is the last cycle that was completed at the date and time indicated in the message.
Action: None.

IGRP(nn) SECONDARY SIDE: CYCLE# N/A CYCLE TOD (UNAVAILABLE R1<5773)
The command was issued to the secondary side and the cycle TOD is unavailable because the primary side is below Enginuity 5773.
Action: None.

IGRP(nn) SECONDARY SIDE: CYCLE# N/A CYCLE TOD UNAVAILABLE < 5773
The command was issued to the secondary side and the cycle TOD is unavailable because the secondary side is below Enginuity 5773.
Action: None.

IGRP(nn) UNKNOWN SIDE: CYCLE# N/A CYCLE TOD =0 (UNAVAILABLE)
The cycle age is zero.
**EMCQR07E**

**QUERY FOR SRDFA_DSE - DATA NOT FOUND**

### Cause
An #SQ SRDFA_DSE command has been issued, but no DSE data has been found.

### Action
Verify that the operating environment level of the storage system supports DSE.

**EMCQR08E**

**FAILURE RETRIEVING POOLS - RC = rc**

### Cause
An #SQ SRDFA command has been issued and the retrieval of the pools failed for return code rc.

### Action
Verify the ResourcePak Base level supports the level of SRDF Host Component.

**EMCQR09E**

**NOT ABLE TO LOCATE POOL INDEX = iiii**

### Cause
While attempting to display the pool names for an #SQ SRDFA_DSE command, an index of the pool name iiii is not defined.

### Action
If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation.
EMCQR11I

No RDF groups found matching specified LABEL mask

Caused
An #SQ RDFGRP command was issued with the LABEL keyword parameter which specifies a mask used to select the SRDF groups whose information is to be listed. However, no SRDF groups were found with labels matching the mask.

Action
None.

EMCQR12I

NO VALID RDF GROUPS FOUND

Caused
An #SQ RDFGRP command was entered and there are no valid SRDF groups on the storage system.

Action
None required, this is an informational message. SRDF groups can be added using the #SC RDFGRP command. See the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for further information.

EMCQR13I

No RDF groups found matching specified serial/mask

Caused
An SQ RDFGRP command was entered specifying the RSER(serial/mask) parameter to request that all groups matching the serial/mask be displayed.

Action
Check that the correct serial/mask and/or gatekeeper was specified.

EMCQR15I

No offline RDF groups found

Caused
An SQ RDFGRP command was entered requesting that all offline groups be displayed and there are no offline SRDF groups in the storage system.

Action
None.
EMCQR16I

No matching RDF groups found for the selected director

**Cause**
The #SQ RDFGRP,...,DIR(dir#) command found no matching SRDF groups for the selected director.

**Action**
None.

EMCQS01I

NO SSIDS FOUND

**Cause**
An #SQ SSID command was entered, and no SSIDs were found.

**Action**
Check your system configuration, and the Host Component initialization parameters for incorrect EXCLUDE_DEVICE_RANGE statements.

EMCQS81I

SRDF-HC DISPLAY FOR #SQ SSID,...

**Cause**
An #SQ SSID... command was issued.

**Action**
None.

**Note**
For a complete description of this display, refer to the #SQ SSID command in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.

EMCQT00I

SRDF-HC DISPLAY FOR SQ DSTAT, ...

**Cause**
An #SQ DSTAT command was entered. This is the header line for the display.

**Action**
None.
### EMCQT01I

**NO ELIGIBLE DIRECTORS FOUND**

**Cause**
An #SQ DSTAT command was requested, but no director statistics were returned.

**Action**
Issue an #SQ CNFG command to determine the operating environment level and the director configuration.

### EMCQT02I

**REQUESTED DIRECTOR NOT FOUND**

**Cause**
An #SQ DSTAT command was requested for a specific director number, but the specified director was not found.

**Action**
Issue an #SQ CNFG command to determine the operating environment level and the director configuration.

### EMCQT03E

**UNABLE TO OBTAIN STORAGE TO COMPLETE REQUEST**

**Cause**
An #SQ DSTAT command was requested, but there was not enough private region to satisfy the request.

**Action**
Check the region for the Host Component address space and increase if necessary.

### EMCQT04E

**HOST COMPONENT NOT ACCEPTING REQUESTS**

**Cause**
An #SQ DSTAT command was requested, but Host Component is not accepting commands.

**Action**
Check the Host Component log to see if a #STOP command is in process, or if host component is still initializing.
EMCQT05E

UNABLE TO FIND UCB

Cause
An #SQ DSTAT command was requested, but SRDF Host Component was unable to
find a suitable device to direct I/O.

Action
Check to see if any devices are online for the storage system.

EMCQT06E

BAD RDF GROUP OR MULTIHOP LIST SPECIFIED

Cause
A remote #SQ DSTAT command was requested, but the SRDF group or multihop list
was bad.

Action
Check the command to see if the SRDF groups specified are valid. If a multihop list
was specified, make sure that the list does not cause a multihop loopback (hop back
on the same link).

EMCQV00I

SRDF-HC DISPLAY FOR #SQ VOL,...

Cause
An #SQ VOL, cuu,... command was requested.

Action
None.

Note
For a complete description of this display, refer to the #SQ VOL command in the Dell
EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.

EMCQV01I

SRDF-HC DISPLAY FOR (x) #SQ STATE,xxxx

Cause
An #SQ STATE command was issued.

Action
None.
**EMCQV03W**

**ERROR OCCURRED WHILE COLLECTING UCB INFORMATION**

**Cause**
An #SQ VOL,p1,p2 command was issued with p1=cuu and p2=count parameters. An error occurred during the processing of the #SQ VOL,p1,p2 command while the system was collecting UCB information.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation.

---

**EMCQV04E**

**STARTING VOLSER=volser NOT FOUND FOR CONTROLLER=symmetrix_serial#**

**Cause**
One of the following conditions exists:

- An #SQ VOL, #SQ MIRROR, or #SQ RAID command was issued with the starting device number option.
- SORT_BY_VOLSER has been specified, but there are no relevant volsers for a starting device.
- The specified volser is out of the range of defined volsers for the storage system.

*volser* is the starting volser used or a volser mask.

*symmetrix_serial#* is the serial number of the storage system to which this command was directed.

**Action**
Issue an #SQ VOL command to determine the valid device number range for the storage system and determine the valid volsers. Resubmit the command.

---

**EMCQV05E**

**STARTING MVSCUU=cuu NOT FOUND FOR CONTROLLER=symmetrix_serial#**

**Cause**
One of the following conditions exists:

- An #SQ VOL, #SQ MIRROR, or #SQ RAID command was issued with the starting device number option.
- SORT_BY_MVSCUU has been specified, but there are no relevant CUUs for a starting device number.
- The specified number is out of the range of defined CUU numbers for the storage system.
Note that cuu is the starting CUU used and symmetrix_serial# is the serial number of the storage system for this command.

**Action**
Issue an #SQ VOL command to determine the valid device number range for the VMstorageAX system and determine the valid CUUs. Resubmit the command.

---

**EMCQV06E**

**EMCQV06E**

**NO DEVTABLE FOR CONTROL UNIT**

**Cause**
An #SQ VOL,p1,p2 command was issued with p1=cuu and p2=count parameters. The address of the DEVTABLE table was not found.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation.

---

**EMCQV07W**

**EMCQV07W**

**TARGET ADDRESS NOT FOUND, STARTING FROM CONTROLLER BASE**

**Cause**
An #SQ VOL,p1,p2 command was issued with p1=cuu and p2=count parameters. The system is unable to find the cuu in the DEVTABLE table.

**Action**
None.

---

**EMCQV08I**

**EMCQV08I**

**NUMBER OF REQUESTED VOLUMES EXCEEDS CONTROL UNIT BOUNDARY**

**Cause**
An #SQ command was issued with count parameters. The count exceeds the number of volumes in the storage system, or there is a gap in the range of device numbers to be displayed due to the presence of devices which are not defined to the system or are in the SCF exclude list.

**Action**
None.

---

**EMCQV09E**

**EMCQV09E**

**STARTING DEVICE NUMBER EXCEEDS CONTROL UNIT BOUNDARY**
Cause
One of the following conditions exists:

- An #SQ VOL, #SQ MIRROR, or #SQ RAID command was issued with the starting device number option.
- SORT_BY_VOLSER has been specified, but there are no relevant volsers for starting device number.
- The specified number is out of the range of defined device numbers for the storage system.

Action
Issue an #SQ VOL command to determine the valid device number range for the storage system or if SORT_BY_VOLSER has been specified, determine the valid volsers. Resubmit the command.

EMCQV0AI

The high device number on the Symmetrix is symdv#

Cause
This message follows message "EMCQV09E STARTING DEVICE NUMBER EXCEEDS CONTROL UNIT BOUNDARY" to report the high device number on the storage system.

Action
None required.

EMCQV10I

MVS TO SYM RELATIONSHIP NOT MADE, DEFAULT TO FIRST DEVICE

Cause
An #SQ VOL,p1,p2 command was issued with p1=ctu and p2=count parameters. During the processing of this command, the system is unable to determine the PowerMax/VMAX device because the device is offline during subsystem initialization and/or during the #SC GLOBAL,SSID_REFRESH command.

Action
None.

EMCQV12E

NO DEVICES FOUND WITH INVALID TRACKS

Cause
An #SQ command was issued with the INV_TRK filter, but no devices with invalid tracks were found in the specified range.

Action
None.
EMCQV15I

SRDF-HC DISPLAY FOR #SQ MIRROR,...

Cause
This message is issued in response to an #SQ MIRROR command.

Action
None.

EMCQV17I

SRDF-HC DISPLAY FOR #SQ RAID,...

Cause
This message is issued in response to an #SQ RAID command.

Action
None.

EMCQV18I

SRDF-HC DISPLAY FOR #SQ RAID10,...

Cause
This message is written in response to an #SQ RAID10 command.

Action
None.

EMCQV19I

SRDF-HC DISPLAY FOR #SQ RAID5 ...

Cause
This message is issued in response to an #SQ RAID5 command.

Action
None.

EMCQV20I

SRDF-HC DISPLAY FOR #SQ RAID6 ...

Cause
This message is issued in response to an #SQ RAID6 command.
**EMCQV21E**

**NO RAID GROUPS FOUND**

**Cause**
An #SQ RAID type command was issued, and there are no RAID groups of the requested type in the specified storage system.

**Action**
Issue an #SQ VOL or #SQ MIRROR command for this storage system, or choose another storage system for the #SQ RAID type command.

**EMCQV22I**

**REQUESTED DEVICE IS BEYOND RAID GROUPS, STARTING FROM FIRST RAID DEVICE**

**Cause**
An #SQ RAID command was issued with the starting-device-number option, and the specified device number is beyond the RAID groups.

**Action**
The display begins with the first RAID group.

**EMCQV23E**

**REQUESTED QUERY NOT SUPPORTED AT THIS MICROCODE LEVEL**

**Cause**
An #SQ RAID type or #SQ MIRRORS command was issued, and the specified storage system does not support the function.

RAID-S is supported at Enginuity 5x64 to 5670, RAID5 is supported at Enginuity 5670 to 5876, and RAID6 is supported at Enginuity 5772 to 5876.

**Action**
The request is aborted.

**EMCQV24I**

**NO CONSISTENCY GROUP DEVICES FOUND**

**Cause**
An #SQ VOL, cuu, CGROUP command was entered, and no devices are in consistency groups.
Action
Verify that the cuu was specified correctly. Ensure that the Dell EMC Consistency Group address space is active, and that the requested consistency groups are defined properly.

EMCQV25E

NO RAID10 DEVICES FOUND

Cause
An #SQ RAID10 command was issued to a storage system that does not contain any RAID10 devices.

Action
None.

EMCQV26E

Symmetrix serial# is at ucode level level

Cause
A previous error message has indicated that a command failed because the operating environment level of a storage system was invalid for the command. This message indicates the storage system on which the condition was detected and its operating environment level.

Action
None.

EMCQV30E

QUERY BY VOL FOR SRDF/A REQUESTED - SRDF/A NOT FOUND

Cause
An #SQ SRDFA_VOL command was issued to a storage system without SRDF/A.

Action
None.

EMCQV31I

SRDF-HC DISPLAY FOR (x) #SQ SRDFA_VOL,command_options

Cause
An #SQ SRDFA_VOL command was issued with the indicated command_options.

Action
None.
EMCQV33I

SRDF-HC Invalid Track Counts by RDF Group

Cause
An #SQ VOL command specifying the INV_TRKS state-filter has been issued. Message EMCQV33I is appended to the normal #SQ VOL output displayed in message EMCQV00I. For example:

EMCMN00I SRDF-HC : (56) L7SQ VOL,7A1F,INV TRKS
EMCQV00I SRDF-HC DISPLAY FOR (56) L7SQ VOL,7A1F,INV_TRKS  601
DV ADDR| ;|TOTAL|SYS |DCB|CNTLUNIT| | R1 | R2 |SY
SYS  CH|DEV  RDEV GP|VOLSER| CYLS|STAT|OPN|STATUS |MR|INVTRK|INVTRK| %
7A10 10 02A0 01EC 62 ***** 9K OFFL 0 R/W-SY R1 0 118K 19
7A11 11 02A1 01ED 62 ***** 9K OFFL 0 R/W-SY R1 0 110K 24
7A12 12 02A2 01EE 62 ***** 9K OFFL 0 R/W-SY R1 0 97K 34
7A13 13 02A3 01EF 62 ***** 9K OFFL 0 R/W-SY R1 0 67K 54
7A14 14 02A4 2740 A2 ***** 9K OFFL 0 R/W-SY R1 0 56K 62
7A15 15 02A5 2741 A2 ***** 9K OFFL 0 R/W-SY R1 0 30K 79
7A16 16 02A6 2742 A2 ***** 9K OFFL 0 R/W-SY R1 0 27K 81
END OF DISPLAY
EMCQV33I SRDF-HC Invalid Track Counts by RDF Group;602
RDF Group #160; Devices R1 INVTRK R2 INVTRK
62 4 0 400,604
A2 4 0 129,790
A1 8 0 530,394
END OF DISPLAY

Message EMCQV33I summarizes invalid track counts by SRDF group and includes the following fields:

RDF GROUP
The SRDF group number for which the following counts have been tallied. The final entry for SRDF group "All" reports total counts for all previously reported SRDF groups.

DEVICES
The number of devices within the specified SRDF group that report non-zero invalid tracks.

R1 INVTRK
The number of R1 invalid tracks reported for devices within the specified SRDF group.

R2 INVTRK
The number of R2 invalid tracks reported for devices within the specified SRDF group.

Action
None.
Cause
This multi-line display is the result of the user issuing an #SQ VOL command. For more information, refer to the description of the #SQ VOL command in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.

Action
None.

EMCQV40I

SRDF-HC DISPLAY FOR (x) #SQ SRDFA_VOL,command_options

Cause
An #SQ SRDFA_VOL command was issued with the indicated command_options.

Action
None.

EMCQV41I

SRDF-HC DISPLAY FOR (xx) #SQ EPVOL...

Cause
An #SQ EPVOL command was issued. The result is a display of externally provisioned devices.

Action
None.

EMCQV80I

No devices found in symmetrix_serial# matching SELECT parameter

Cause
A command was issued with a SELECT parameter and a specified filter expression and no devices matching the expression were found.

Action
None.
EMCQV90I

NO DEVICES FOUND WITH A STATE OF nnn

Cause
A command was issued with a specified state parameter, and the requested state was not found. The Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide describes the state-filter values that may be used.

Action
Depending on what is being requested, there may or may not be any action. The message informs you that the state was searched for but not located.

EMCQV91E

QUERY BY RA GROUP - RA GROUP NOT FOUND

Cause
A command was issued with a specified state parameter, and the requested state RA(srdfgrp#) was not found.

Action
Depending on what is being requested, there may or may not be any action. The message informs you that the state was searched for but not located.

EMCQV92E

QUERY BY RA GROUP - NO ENDING PARENTHESIS

Cause
A command was issued with a specified state parameter, and the requested state RA(srdfgrp#) ending parenthesis “)” was missing.

Action
Add the ending parenthesis to the RA(srdfgrp#).

EMCQV93E

No eligible devices found in RDF group srdfgrp#

Cause
A command was issued specified that only devices in SRDF group srdfgrp# were to be considered for processing. However, no devices were found in this SRDF group, so command processing could not continue.

Action
Determine whether or not this result indicates that a device, storage system or group is in an undesirable state. If so, correct the problem and reissue the command.
EMCQV93I

No eligible devices found in RDF group srdfgrp# SERIAL #:serial# MICROCODE:level

**Cause**
A command was issued specified that only devices in SRDF group srdfgrp# were to be considered for processing. However, no devices were found in this SRDF group, so command processing could not continue.

SERIAL # and MICROCODE are displayed when the SRDF group contains no devices.

**Action**
Determine whether or not this result indicates that a device, storage system or group is in an undesirable state. If so, correct the problem and reissue the command.

EMCQV94E

No R21 devices prior to 5x73, but control unit ucode level is ucode-level

**Cause**
An #SQ VOL command was issued with device state filter R21. However, the operating environment level of the storage system whose devices are being queried is earlier than 5x73, and R21 devices are supported only at Enginuity 5x73 and later levels of the operating environment.

**Action**
None.

EMCQV96I

No devices found in symmetrix_serial# matching filter xxxxxxxxxxx

**Cause**
A command was issued with a specified filter, and no devices matching the requested filter were found. The #SQ VOL command description in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide includes a table listing the state-filter values that may be returned.

**Action**
Depending on what is being requested, there may or may not be any action. The message informs you that the state-filter was searched for but not located.

EMCQV97E

Unrecognized filter xxxxxxxxxxxx
**Cause**
An \#SQ VOL, \#SQ STATE, or \#SQ MIRROR command was issued with a specified state-filter parameter, and the requested state-filter was not found. The Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide describes the state-filter values that may be used.

**Action**
Verify that the state-filter name was spelled correctly and resubmit the command.

**EMCQV98E**

**Neither device count nor filter specified**

**Cause**
A SQ command was issued with an incorrect format of a device count or filter. The Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide describes the state-filter values and device count format that may be used.

**Action**
Verify that the command has a device count or filter specified correctly and resubmit the command.

**EMCQV9AI**

**No online devices found matching volser/mask**

**Cause**
An SQ command was issued with location information specified via the VOL keyword parameter. This parameter specifies a volser or mask used to select devices. The command then applies to each storage system on which at least one of the selected devices reside. However, no matching volser was found, so no applicable storage system could be determined. The command was therefore not processed.

**Action**
Correct the volser or mask, or specify the location information for the command in a different way, such as via a gatekeeper or a defined, SCF, or SMS group. Reissue the command.

**EMCQV9BI**

**No devices found with non-zero pacing statistics**

**Cause**
An \#SQ SRDFA_WP_VOL command was issued to a storage system without any devices with non-zero pacing statistics.

**Action**
None.
EMCQV9CI

\OPENELIGIBLEDEVICESFOUND

**Cause**
An SQuery command was entered and no volumes were found that matched the selection criteria.

**Action**
Verify that the command was issues to the correct gatekeeper. If necessary, re-enter the command with the correct selection criteria.

EMCQV9DE

**THISSTATFILTERNOTSUPPORTEDATTHISMICROCODELEVEL**

**Cause**
An #SQ command with RAID type filter was issued, and the specified storage system does not support the filter.

**Action**
If the command was issued improperly, correct and submit the command again. If the command was correct, however, find an alternative way to accomplish the goal of the issued command. If necessary, contact Dell EMC Technical Support.

EMCQV9EW

One or more devices exceed x'FFFF', the device field will be truncated

**Cause**
SQ VOL or SQ STATE was specified with 4BYTE_OFF. One or more of the displayed device numbers is larger than FFFF. The device field contains a truncated number.

**Action**
Use 4BYTE_ON to display device numbers larger than FFFF.

EMCQV9FE

Request to box failed. **RC=rc**

**Cause**
This is an internal error indicating that SRDF Host Component has failed to request environment information from the storage system.

**Action**
Check connection to the gatekeeper device you use. The gatekeeper device should be online.
If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**EMCQW00I**

**SRDF-HC DISPLAY FOR (nnn) command**

**Cause**
This message displays output of the #SQ VIEWRA command.

**Action**
None.

**More Information**
The Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide describes the #SQ VIEWRA command and its output.

**EMCQW01I**

**NO ELIGIBLE PORTS AND DIRECTORS FOUND FOR THE SPECIFIED RSER: xxxxxxxxxxxxx.**

**Cause**
An #SQ VIEWRA command was issued with the RSER parameter but no eligible ports and directors were found for the specified remote serial number.

**Action**
None.

**EMCRS00E**

**RESET HOST SCRATCH AREA REQUEST ABORTED RSN= xx**

**Cause**
A RESET_HOST_SCRATCH command was issued, but the command failed. The RSN indicates the reason for the failure.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**EMCRS01I**

**RESET HOST SCRATCH AREA COMPLETED SUCCESSFULLY**
**EMCRS02E**

**RESET HOST SCRATCH AREA FAILED FC01 SAIRC=**

**Cause**
A RESET_HOST_SCRATCH command was issued, and the FC01 to check the device failed. This message lists the specific reason.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**EMCRS03E**

**RESET HOST SCRATCH AREA FAILED CNFG SAIRC=**

**Cause**
A RESET_HOST_SCRATCH command was issued, and the CNFG_GLOBAL to check the device failed. This message lists the specific reason.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**EMCRS04R**

**RESET HOST SCRATCH AREA FOR VOL=vvvvvv CAN CAUSE DATA LOSS - CONTINUE OR CANCEL?**

**Cause**
A RESET_HOST_SCRATCH command has been issued for volume vvvvv.

**Action**
Respond CONTINUE to do the RESET_HOST_SCRATCH, or CANCEL to terminate.
**EMCRS05R**

RESET HOST SCRATCH AREA FOR DEVICE=dev# CAN CAUSE DATA LOSS - CONTINUE OR CANCEL?

**Cause**
A RESET_HOST_SCRATCH command has been issued to device dev#.

**Action**
Respond CONTINUE to do the RESET_HOST_SCRATCH, or CANCEL to terminate.

**EMCRS06R**

RESET HOST SCRATCH AREA REMOTE FOR DEVICE=dev# USING RAG xx CAN CAUSE DATA LOSS - CONTINUE OR CANCEL?

**Cause**
A RESET_HOST_SCRATCH was requested for the device found remotely on SRDF group xx.

**Action**
Respond CONTINUE to do the RESET_HOST_SCRATCH, or CANCEL to terminate.

**EMCRX01I - EMCRX15I**

Beginning Recovery for:

 cuu RA1 RA2 xxxxxx Y|N C=n M=nnn SSN=symmetrix_serial#

**Cause**
The recovery procedure will begin using the specified parameters. Where:

- **cuu** is the gatekeeper used for this SRDF group (a z/OS device number).
- **RA1** is the R1 SRDF group.
- **RA2** is the R2 SRDF group.
- **xxxxxx** is the invalid track count threshold at which SRDF/A will be activated.
- **Y or N** indicates the status of the ME switch. When set to Y, this indicates to run the ME utility (ME is only run once; it is the first recovery action).
- **C** indicates the SRDF Host Component command prefix.
- **M** indicates the MSC group name that recovery is processing.
- **SSN** indicates the serial number of the storage system for this R1 SRDF group.

**Action**
This message is informational. No action is required.

**EMCRX80I**

Recovery Process Execution
**EMCRX81I**

EHCMSMCME Process complete, MSC Recovery Ending

**Cause**
The MSC recovery process is complete.

**Action**
This message is informational. No action is required.

**EMCRX83I**

EHCXMSCB Function Complete

**Cause**
The MSC BCV split/establish operation is complete.

**Action**
This message is informational. No action is required.

**EMCRX84E**

Recovery Halted, The required function 10 device object was not returned.

**Cause**
REXX object 10 has not returned any objects. It is a severe error and autorecovery will end.

**Action**
Determine the cause of the failure. Take any necessary manual steps necessary before restarting the recovery procedure.

**EMCRX85E**

Recovery Halted, The required function 14 group objects were not returned.

**Cause**
REXX object 14 has not returned any objects. It is a severe error and autorecovery will end.
**Action**
Determine the cause of the failure. Take any necessary manual steps necessary before restarting the recovery procedure.

**EMCRX86E**

xxxxxxx

**Cause**
EMCSRDFR returned the specified error.

**Action**
Depending on the returned error, you may be able to continue. EMCRX95R will accompany this message. Reply CONTinue or CANcel.

**EMCRX87E**

Recovery Failed for: cuu RA1 RA2 xxxxx Y|N C=n M=nnn
SSN=symmetrix_serial#

or

Recovery Failed for: MSG_TEXT STCUSER

**Cause**
The recovery process failed for the SRDF group with the specified parameters. Where:
- `cuu` is the gatekeeper used for this SRDF group (a z/OS device number).
- `RA1` is the R1 SRDF group.
- `RA2` is the R2 SRDF group.
- `xxxxx` is the invalid track count threshold at which SRDF/A will be activated.
- `Y` or `N` indicates the status of the ME switch. When set to `Y`, this indicates to run the ME utility (ME is only run once; it is the first recovery action).
- `C` indicates the SRDF Host Component command prefix.
- `M` indicates the MSC group name that recovery is processing.
- `SSN` indicates the serial number of the storage system for this R1 SRDF group.

Alternately, a text message indicating the type of error encountered may be reported.

**Action**
None.

**EMCRX88E**

Director count less than Policy minimum.

**Cause**
The director count is less than the policy minimum.
**Action**
EMCRX95R will accompany this message. Reply CONTinue or CANcel.

---

**EMCRX89E**

Retries exhausted, ME Process Failed

**Cause**
The allowable number of retries has been exhausted.

**Action**
EMCRX95R will accompany this message. Reply CONTinue or CANcel.

---

**EMCRX90E**

Call to EHCGCOPY failed with RC=yyyy

**Cause**
The call to EMCGCOPY failed with the abend code S###.

**Action**
Determine the cause of the failure. Take any necessary manual intervention before restarting the recovery procedure.

---

**EMCRX91E**

Gold Copy Not Created! - RC=yy

**Cause**
The gold copy of the data could not be created. yy indicates the return code from module EHCGCOPY. Possible causes are:

04 - The data is not consistent.
05 - BCV relationship does not exist. Be sure the device is paired with a BCV.
08 - A syscall or an API error has occurred.

**Action**
Do not attempt to create another gold copy or data could be lost. Determine the cause of the error and take any manual steps necessary.

---

**EMCRX92E**

Error in BCV process (EHCGCOPY) RC=yy

**Cause**
The gold copy BCV process failed.

**Action**
Determine the cause of the error and take any manual steps necessary.
EMCRX93E

Call to EMCSRDFR failed with RC=yyyy

Cause
The call to EMCSRDFR failed with the return code yyyy.

Action
Refer to the following table to determine the cause of the failure. Take any necessary manual steps necessary before restarting the recovery procedure.

Note
The REXX reference in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide provides additional information regarding these return codes.

<table>
<thead>
<tr>
<th>Return code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Success.</td>
</tr>
<tr>
<td>4</td>
<td>Command complete.</td>
</tr>
<tr>
<td>8</td>
<td>Command not complete.</td>
</tr>
<tr>
<td>12</td>
<td>Command not found.</td>
</tr>
<tr>
<td>16</td>
<td>Max commands queued.</td>
</tr>
<tr>
<td>20</td>
<td>SRDF Host Component not accepting commands.</td>
</tr>
<tr>
<td>24</td>
<td>Unable to locate SRDF Host Component subsystem command prefix. Check that this subsystem is running.</td>
</tr>
<tr>
<td>28</td>
<td>Bad function code passed.</td>
</tr>
<tr>
<td>32</td>
<td>Invalid starting device.</td>
</tr>
<tr>
<td>36</td>
<td>Unable to initiate cross memory interface.</td>
</tr>
<tr>
<td>40</td>
<td>Unable to terminate cross memory interface.</td>
</tr>
<tr>
<td>44</td>
<td>Getmain failed.</td>
</tr>
<tr>
<td>48</td>
<td>Requested object failed validation.</td>
</tr>
<tr>
<td>52</td>
<td>I/O error (API error).</td>
</tr>
<tr>
<td>56</td>
<td>Abend occurred in cross memory.</td>
</tr>
<tr>
<td>58</td>
<td>Build variable object error.</td>
</tr>
<tr>
<td>60</td>
<td>Request to queue command failed.</td>
</tr>
<tr>
<td>64</td>
<td>Requested storage system is below minimum operating environment level.</td>
</tr>
<tr>
<td>Code</td>
<td>Message</td>
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<td>------</td>
<td>---------------------------------------------------</td>
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<tr>
<td>65</td>
<td>No links available.</td>
</tr>
<tr>
<td>68</td>
<td>Unable to locate UCB.</td>
</tr>
<tr>
<td>69</td>
<td>Selected storage system has invalid value.</td>
</tr>
<tr>
<td>70</td>
<td>Null variable.</td>
</tr>
<tr>
<td>71</td>
<td>Variable does not exist.</td>
</tr>
<tr>
<td>72</td>
<td>Unexpected condition.</td>
</tr>
<tr>
<td>76</td>
<td>SCF Not Found (Server Address Space).</td>
</tr>
<tr>
<td>80</td>
<td>EMCSRDF_COMMAND is equal to null or blank.</td>
</tr>
<tr>
<td>81</td>
<td>The object compatibility variable is invalid.</td>
</tr>
<tr>
<td>84</td>
<td>Version error.</td>
</tr>
<tr>
<td>88</td>
<td>Bad RDFGRP passed.</td>
</tr>
<tr>
<td>92</td>
<td>Command waiting to be verified.</td>
</tr>
<tr>
<td>96</td>
<td>The UCB check for this device has failed.</td>
</tr>
<tr>
<td>100</td>
<td>The SRDF group specified was not found.</td>
</tr>
<tr>
<td>104</td>
<td>The SRDF group specified is invalid.</td>
</tr>
<tr>
<td>105</td>
<td>DRDF parse error.</td>
</tr>
<tr>
<td>108</td>
<td>Storage system not found.</td>
</tr>
<tr>
<td>109</td>
<td>The remote storage system was not found.</td>
</tr>
<tr>
<td>110</td>
<td>SSIDTBL address is 0.</td>
</tr>
<tr>
<td>111</td>
<td>SSIDTBL eyecatch is invalid.</td>
</tr>
<tr>
<td>112</td>
<td>Discover command timed out.</td>
</tr>
<tr>
<td>113</td>
<td>CNTL eyecatch is invalid.</td>
</tr>
<tr>
<td>114</td>
<td>SSID not found in any storage system.</td>
</tr>
<tr>
<td>115</td>
<td>No storage systems were found.</td>
</tr>
<tr>
<td>116</td>
<td>Bad command timeout specified.</td>
</tr>
<tr>
<td>120</td>
<td>Error retrieving the REXX variables.</td>
</tr>
<tr>
<td>124</td>
<td>Error setting the REXX variables.</td>
</tr>
<tr>
<td>125</td>
<td>Out of memory during SET VAR.</td>
</tr>
<tr>
<td>128</td>
<td>Error validating the REXX environment.</td>
</tr>
<tr>
<td>132</td>
<td>Command parse error. See EMCSRDF_DRDFRS for the reason code. EMCSRDF_DRDFRTN_MESSAGE will contain the message text.</td>
</tr>
</tbody>
</table>

**SRDF Host Component**

**Dell EMC Mainframe Enablers 8.3 Message Guide**
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<thead>
<tr>
<th>Code</th>
<th>Message</th>
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<td>136</td>
<td>Access denied.</td>
</tr>
<tr>
<td>140</td>
<td>Invalid command length.</td>
</tr>
<tr>
<td>144</td>
<td>DRDF failed to change the SRDF relationship. See EMCSRDF_DRDFRS for the reason code. EMCSRDF_DRDFRTN_MESSAGE will contain the message text.</td>
</tr>
<tr>
<td>148</td>
<td>DRDF Symmetrix commands to sync SRDF pairs failed. See EMCSRDF_DRDFRS for the reason code. EMCSRDF_DRDFRTN_MESSAGE will contain the message text.</td>
</tr>
<tr>
<td>152</td>
<td>DRDF API error. See EMCSRDF_DRDFRS for the reason code. EMCSRDF_DRDFRTN_MESSAGE will contain the message text.</td>
</tr>
<tr>
<td>156</td>
<td>MVS device number not specified.</td>
</tr>
<tr>
<td>160</td>
<td>Remote request not allowed.</td>
</tr>
<tr>
<td>164</td>
<td>SCF maintenance level too low.</td>
</tr>
<tr>
<td>168</td>
<td>CREATEPAIR NOCOPY flag prohibited by initialization parameters.</td>
</tr>
<tr>
<td>172</td>
<td>Unknown error code.</td>
</tr>
<tr>
<td>176</td>
<td>UCB/VOLSER/CUU not found.</td>
</tr>
<tr>
<td>180</td>
<td>SCF not ready (in discovery).</td>
</tr>
<tr>
<td>184</td>
<td>SCF not available.</td>
</tr>
<tr>
<td>188</td>
<td>Device table locked - retry.</td>
</tr>
<tr>
<td>192</td>
<td>PC routine abend.</td>
</tr>
<tr>
<td>193</td>
<td>PC call to EMCPCR01 failed.</td>
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<tr>
<td>194</td>
<td>PC FAILED BEFORE ARR SETUP</td>
</tr>
<tr>
<td>195</td>
<td>Soft-fenced device passed</td>
</tr>
<tr>
<td>196</td>
<td>Invalid action, FBA Enabled</td>
</tr>
</tbody>
</table>

a. Applications using EMCSRDFR may receive return code 176 instead of return code 108. Return code 108 is returned by the invoked PC routine. Since the error is detected earlier, EMCSRDFR will not call the PC routine and return code 176 will be returned.

**EMCRX94E**

A link is Down, Processing Terminating.
Cause
A link is down; processing has terminated.

Action
Determine the cause of the failure. Take any necessary manual steps necessary before restarting the recovery procedure.

EMCRX95R

Reply CONTinue, RETry or CANcel

or

variable_text - reply CONTinue, RETry or CANcel

Cause
A condition exists that requires a response.

Action
Reply CONTinue, RETry or CANcel.

EMCRX96E

Invalid Policy Switch Value - Ending Process

Cause
The policy switch did not indicate one of the following: Split, Establish, or No BCV Management.

Action
Correct the value, determine and take any manual steps necessary before restarting the procedure.

EMCRX97E

Execution of Autofix Exec xxxxxxxxx failed with RC=yy

Cause
The named exec failed with the abend code S###.

Action
Determine the cause of the failure. Take any necessary manual intervention before restarting the recovery procedure.

EMCRX98E

Recovery Halted, Sync Direction R1>R2 is required.

Cause
Invalid sync direction.
Action
This recovery procedure requires a sync direction of R1>R2. Take any necessary manual intervention before restarting the recovery procedure.

EMCRX99E

EMCRX99W

EMCSA00E

EMCSA01E
EMCSA02E

UNABLE TO LOCATE UCME

Cause
The SECURITY_QUERY=SAF and SECURITY_CONFIG=SAF have been specified in the SRDF initialization parameter file, and either an #SQ or #SC command was issued on a non-operator console.

Action
Find an operator console that has Multiple Console Support (MCS), and then perform a logon at the console.

EMCSA03E

LOGON IS REQUIRED FOR SAF VALIDATION

Cause
The Unit Control Module, UCM control block does not have an address of the Accessor Environment Element control block for the user who has logged onto the terminal.

Action
Find an operator console that has Multiple Console Support (MCS), and then log on at the console.

EMCSA04E

ACEE AT address FAILED VALIDATION

Cause
The ACEE ID is invalid.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCSA05I

UNABLE TO VALIDATE ACCESS, EITHER SECURITY SYSTEM IS NOT ACTIVE, OR RESOURCE NOT DEFINED

Cause
Due to the security, the system is not active or resource not defined.
Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation.

EMCSA06I

ACCESS DENIED

Cause
This message is always displayed along with the previous EMCSAxxx messages that relate to SAF security.

Action
None.

EMCSC02R

SETTING ADAPTIVE COPY MAX SKEW, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause
An #SC CNFG,p1,p2,p3 command was issued with p1=cuu, p2=ADCOPY_MAX_SKEW, and p3=value parameters.

Action
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCSC03R

SETTING ADAPTIVE COPY GLOBAL RATE, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause
An #SC CNFG,cuu,ADCOPY_GLOBAL_RATE... command was entered.

Action
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCSC04R

SC COMMAND THAT REQUIRES VERIFICATION, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause
An #SC command was entered and requires operator verification.
**EMCSI01E**

LOAD FAILED FOR SRDFSSM, LOAD RETURN CODE _____

**Cause**
The system could not find the SRDFSSM load module in the APF library.

**Action**
- Check the APF library to make certain that the load module exists.
- 1. If an #SC GLOBAL SSID_REFRESH command is running, wait for the completion of the command.
- 2. Check if any outstanding REPLY. If there is, reply either CONTINUE or CANCEL.
- 3. Retry the command.

**EMCSI03I**

SUBSYSTEM LOADED

**Cause**
The subsystem has been loaded successfully.

**Action**
None.

**EMCSQV01**

SRDF-HC DISPLAY FOR END OF DISPLAY

**Cause**
An #SQ STATE, cuu,... command was requested.

**Action**
None.

---

**Note**
For a complete description of this display, refer to the #SQ STATE command in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.

**EMCSR01E**

ERROR in EXECUTION PARAMETERS
Cause
For a batch utility execution, PARM= was specified on an EXEC JCL statement and the parameters supplied were not correct.

Action
Review the parameters on the EXEC JCL statement and correct any errors.

EMCSR02E

OPEN FAILED FOR DDNAME SYSIN

Cause
The batch interface (EMCSRDF) was unable to open the SYSIN stream.

Action
Check that a valid SYSIN DD statement was supplied.

EMCSR04I

READING COMMANDS FROM SYSIN

Cause
This message is issued from the EMCSRDF batch interface. It indicates that the batch program has begun reading SRDF Host Component commands from the SYSIN DD.

Action
None.

EMCSR05E

QUIT SWITCH SET, FLUSHING INPUT FILE

Cause
While reading commands through the batch interface, an error occurred that necessitated termination of the input stream.

Action
All subsequent commands in the input stream are flushed. Examine the SYSPRINT output stream for other messages that may indicate the reason for the termination of batch processing. Correct the error and resubmit the batch job.

EMCSR10E

UNABLE TO LOCATE REQUESTED SUBSYSTEM

Cause
A command was entered to the batch interface, but the supplied command prefix does not match an active Host Component subsystem.
Action
Ensure that the Host Component is running, and that the correct command prefix was supplied.

EMCSR11E

***** COMMAND FAILED ***** REMAINING COMMANDS WILL BE FLUSHED

Cause
A command failed that was submitted through the batch interface.

Action
All subsequent commands are flushed. Correct the failing command, and submit the batch program again.

EMCSR12E

COMMAND LOCATE FAILED, RC = xxxxxxxx

Cause
A command was submitted successfully from the batch interface, but when an attempt was made to check for command completion to retrieve the command output, the command was not found.

Action
Check that SRDF Host Component is still active. Look for additional messages in the SRDF Host Component log.

EMCSR13E

COMMAND MUST START IN OR BEFORE COLUMN 50

Cause
A command was entered through the batch interface and a record found in the SYSIN stream had blanks in columns 1 through 50.

Action
The batch interface requires that commands entered in the SYSIN stream start within the first 50 columns. Fix the record in error and resubmit the batch job.

EMCSR14E

CONTINUATION ERROR

Cause
A command failed that was submitted through the batch interface using the continuation character.
Action
Verify that the line with the continuation and the line following it is valid, and resubmit the batch program.

**EMCSR15E**

**COMMAND TOO LONG**

**Cause**
A command that was submitted through the batch interface failed because it exceeded the 256 byte limit.

**Action**
Correct the command, making sure it does not exceed the maximum allowed length.

**EMCSR20I**

**END of FILE on SYSIN REACHED.**

**Cause**
This message is issued from the EMCSRDF batch interface. It indicates that the batch program has finished reading SRDF Host Component commands from the SYSIN DD.

**Action**
None.

**EMCSR31E**

**MAXIMUM TRACKED COMMANDS REACHED**

**Cause**
The maximum number of queued commands exceeds the maximum specified with the MAX_COMMANDQ initialization parameter. This message is also issued if the maximum number of tracked commands set with the MAX_TRCK_CMDS initialization parameter is reached.

**Action**
Until the MAX_COMMANDQ setting is changed, you must wait for the existing queued actions to complete before submitting additional actions. To increase the size of the queue, add/modify MAX_COMMANDQ or MAX_TRACK_CMDS according to the instructions in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide and recycle SRDF Host Component to apply the change.

**EMCSS00I**

**TASK IS BUSY; PLEASE RETRY**

**Cause**
An SRDF Host Component command was issued, and the main task was busy.
**Action**

Perform the following steps:

1. If an #SC GLOBAL SSID_REFRESH command is running, wait for the completion of the command.
2. Check if there is any outstanding REPLY. If there is, reply either CONTINUE or CANCEL.
3. Retry the command.

---

**EMCSS02E**

**ABNORMAL CONDITION OCCURRED IN EMC SUBSYSTEM**

**Cause**

An abend has occurred.

**Action**

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

---

**EMCSS03I**

**SRDF HOST COMPONENT NOT ACCEPTING COMMANDS**

**Cause**

The SRDF command was issued when the system has not completed its initialization process.

**Action**

Wait until the system displays the following message before you issue any SRDF Host Component commands:

```
EMCMN03I SRDF HOST COMPONENT V_._._. NOW ACCEPTING COMM
```

Any commands entered after EMCMN03I are queued until “EMCMN81I” is issued.

---

**EMCSS04E**

**MAX_COMMANDQ REACHED, PLEASE RETRY**

**Cause**

More than the allowed maximum number of commands specified on the MAX_COMMANDQ initialization parameter has been reached.

**Action**

Wait for commands to run, and then try the command again.
EMCSS05E
UNABLE TO OBTAIN STORAGE TO QUEUE COMMAND BUFFER

Cause
A GETMAIN request for storage failed so the command cannot be queued to the Host Component.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCTS01E
ERROR OCCURRED WHILE MESSAGES WERE BEING RETRIEVED

Cause
Message queuing has been disabled by the operating system.

Action
Press PF3 to end the session.

EMCTS01I
THE EXTENDED MCS CONSOLE HAS BEEN ACTIVATED

Cause
The first command that you entered.

Action
None.

EMCTS02E
TSO/E SERVICE FAILED xx yy. SESSION WILL END

Cause
The invoked program terminated due to unsuccessful TSO/E service operation.

Action
Report the xx (return code) and yy (reason code) to the Dell EMC Customer Support Center.
EMCTS02I

NO COMMAND ENTERED

**Cause**
There is no command entered at the command line.

**Action**
Enter a command.

EMCTS02W

THE NUM ENTERED DOES NOT MATCH THE REPLIED MSG NUM

**Cause**
The number entered to reply for confirmation does not match the replied message number shown on the screen.

**Action**
Check the replied message ID, correct the mistake, and reenter a correct number.

EMCTS03E

FAILED TO OBTAIN STORAGE AREA

**Cause**
The ISPF interface failed to obtain storage for an internal table because of insufficient storage.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCTS03I

MDBS WERE RETREIVED SUCCESSFULLY

**Cause**
The ISPF interface successfully retrieved information corresponding to the command you just entered.

**Action**
None.
EMCTS04E

UNABLE TO DEFINE FIELDS TO THE ISPF PANEL VALUES

Cause
The ISPF interface was unable to define fields associated with the ISPF panel values.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCTS04I

TIME EXPIRED. ENTER A COMMAND OR ENTERED KEY TO RETRY

Cause
The ISPF interface has unsuccessfully retrieved related information corresponding to the command you just entered.

Action
Reissue the command.

EMCTS05W

THE NUMBER ENTERED DOES NOT MATCH THE REPLY MSG ID

Cause
The number you entered to reply confirmation does not match the reply message number shown on the screen.

Action
Check the reply message number, correct the mistake, and reenter the correct number.

EMCTS06E

ERROR OCCURRED WHILE MESSAGES WERE BEING RETRIEVED

Cause
Message queuing has been disabled by the operating system.

Action
Press PF3 to end the session.
EMCTS07E

TSO/E SERVICE FAILED. SESSION WILL END. vv xx yy zz

**Cause**
The invoked program terminated due to unsuccessful TSO/E service operation.

**Action**
Report vv xx yy zz (retcodes and reason codes) to the Dell EMC Customer Support Center.

EMCTS08E

FAILED TO OBTAIN STORAGE AREA

**Cause**
The ISPF interface was trying to obtain storage for an internal table, but insufficient storage was available.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCTS09E

UNABLE TO DEFINE FIELDS FOR THE ISPF PANEL VALUES

**Cause**
The ISPF interface was unable to define the fields associated with the ISPF panel values.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCTS10E

SUBSYSTEM HAS BEEN DISABLED

**Cause**
The Host Component terminated abnormally or has been terminated.

**Action**
None.
**EMCTS11E**

**ACTIVATION OF MCS CONSOLE FAILED. SESSION WILL END**

**Cause**
The ISPF interface is unable to activate an extended MCS console.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**EMCTS12E**

**DEACTIVATION OF MCS CONSOLE FAILED**

**Cause**
The ISPF interface was unable to deactivate an extended MCS console.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**EMCTS13E**

**UNRECOVERABLE PROGRAM OR ENVIRONMENT ERROR LOGOFF**

**Cause**
The ISPF interface was unable to recover the extended MCS environment.

**Action**
End the session, and contact the Dell EMC Customer Support Center for technical assistance.

**EMCTS14E**

**A RELEASE OF THE SRDF-HC IS BELOW 3.0.0**

**Cause**
The ISPF interface has detected that the release of SRDF Host Component is below 3.0.0.

**Action**
Contact the Dell EMC Customer Support Center for technical assistance.
EMCTS15E

INVALID COMMAND PREFIX OR SRDF-HC NOT ACTIVE

**Cause**
The ISPF interface has detected that the command prefix you entered does not exist.

**Action**
Verify that SRDF Host Component has been activated, and the command prefix was entered correctly. If SRDF Host Component is active and the command prefix was entered correctly, contact the Dell EMC Customer Support Center for technical assistance.

EMCTS16E

INCORRECT “SSYS ID”

**Cause**
Validation failed on the “MDB” prefix for message data block.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

EMCTS18E

TABLE DISPLAYED OVERFLOW

**Cause**
Internal table not large enough to display all BCVs.

**Action**
Check the Dell EMC Online Support website for maintenance to correct the error.

EMCVC00I

SRDF-HC DISPLAY FOR

**Cause**
An #SC BCV command has been issued, and the output from the command is being displayed.

**Action**
None.
EMVC01I

COMMAND PROCESSED

**Cause**
The EMCTF batch utility has processed the BCV commands.

**Action**
None.

EMVC02E

INSUFFICIENT STORAGE TO ALLOCATE DATA AREA

**Cause**
The system has unsuccessfully acquired storage area because the region size is not large enough.

**Action**
Increase the region size up to 8 MB. If the problem persists, contact the Dell EMC Customer Support Center for technical assistance.

EMVC03R

SRDF IS GOING TO PARTIALLY RESTORE FROM BCV dev# REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

**Cause**
An #SC BCV RESTORE command operation has been requested from the BCV device dev#.

**Action**
To allow the restore, reply CONTINUE; otherwise, reply CANCEL.

EMVC04R

SRDF IS GOING TO FULLY RESTORE DEVICE symdv# REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

**Cause**
An #SC BCV RESTORE command operation was requested for device symdv#.

**Action**
To allow the RESTORE operation, reply CONTINUE; otherwise, reply CANCEL.
EMVC05I

COMMAND ABORTED

**Cause**
Host Component discontinued a process of the command due to the operator responding to cancel the command.

**Action**
Refer to those messages that had displayed immediately before this one, or contact the Dell EMC Customer Support Center for technical assistance when necessary.

EMVC06R

SRDF IS GOING TO ESTABLISH A STANDARD/BCV PAIR, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

**Cause**
An #SC BCV, cuus, cuup, ESTABLISH or #SC BCV, cuus-cuus, cuup-cuup, ESTABLISH command was entered.

**Action**
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMVC07R

SRDF IS GOING TO RE-ESTABLISH A STANDARD/BCV PAIR, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

**Cause**
An #SC BCV, cuus, RE-ESTABLISH or #SC BCV, cuus-cuus, RE-ESTABLISH command was entered.

**Action**
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMVC08R

SRDF IS GOING TO SPLIT A STANDARD/BCV PAIR, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

**Cause**
An #SC BCV, cuus, SPLIT,... or #SC BCV, cuus-cuus, SPLIT,... command was entered.

**Action**
Reply CONTINUE to allow the command to process or CANCEL to terminate the command.
EMCVC09R

SRDF IS INVOKING TIMEFINDER WITH THE COMMAND ABOVE ENTER CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause
A #TF Host Component command was issued with OPERATOR_VERIFY=ALL specified.

Action
Review the command in EMCMN00I message, and reply as directed.

EMCVQ00I

SRDF-HC DISPLAY FOR timefinder_command

Cause
Response to TimeFinder command issued through SRDF Host Component.

Action
None.

EMCVQ01E

INSUFFICIENT STORAGE TO ALLOCATE DATA AREA

Cause
The system has unsuccessfully acquired storage area because the region size is not large enough.

Action
Increase the region size up to 8 MB. If the problem persists, contact the Dell EMC Customer Support Center for technical assistance.

EMCVQ01I

SRDF-HC DISPLAY FOR #SQ BCV, cuu...

Cause
An #SQ BCV, cuu... command was requested.

Action
None.

Note
For a complete description of this display, refer to the #SQ BCV command in the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide.
Controller is unknown to SCF.

**Cause**
This message may be issued during license validation. The storage system that SCF attempted to validate against was not known to SCF at the time of the validation attempt. This may be caused by incomplete discovery or temporary loss of connectivity to the storage system. If this is a temporary condition SCF may rediscover the storage system at its next refresh interval.

**Action**
Internally Host Component has issued a DEV RESCAN request to SCF on the caller's behalf. If this was a temporary issue it may clear up after SCF completes its discovery. Retry the command after the RESCAN completes. If it still fails, check your connections to the storage system having the issue.
CHAPTER 3
Common Swap Services

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<td>FMMS591I</td>
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<td>CGRS592W</td>
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<td>FMMS620W</td>
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<td>CGRS621I</td>
<td>FMMS621I</td>
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<tr>
<td>ESWP622I</td>
<td>CGRS622I</td>
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<td>CGRS623E</td>
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<tr>
<td>ESWP625W</td>
<td>CGRS625W</td>
<td>FMMS625W</td>
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</tbody>
</table>
Common Swap Services

- ESWP626I | CGRS626I | FMMS626I | SCFS626I
- ESWP627I | CGRS627I | FMMS627I | SCFS627I
- ESWP628W | CGRS628W | FMMS628W | SCFS628W
- ESWP630W | CGRS630W | FMMS630W | SCFS630W
- ESWP631I | CGRS631I | FMMS631I | SCFS631I
- ESWP632E | CGRS632E | FMMS632E | SCFS632E
- ESWP633I | CGRS633I | FMMS633I | SCFS633I
- ESWP634I | CGRS634I | FMMS634I | SCFS634I
- ESWP641W | CGRS641W | FMMS641W | SCFS641W
- ESWP642W | CGRS642W | FMMS642W | SCFS642W
- ESWP643W | CGRS643W | FMMS643W | SCFS643W
- ESWP644W | CGRS644W | FMMS644W | SCFS644W
- ESWP645E | CGRS645E | FMMS645E | SCFS645E
- ESWP646I | CGRS646I | FMMS646I | SCFS646I
- ESWP647I | CGRS647I | FMMS647I | SCFS647I
- ESWP648E | CGRS648E | FMMS648E | SCFS648E
- ESWP649I | CGRS649I | FMMS649I | SCFS649I
- ESWP650W | CGRS650W | FMMS650W | SCFS650W
- ESWP651W | CGRS651W | FMMS651W | SCFS651W
- ESWP657I | CGRS657I | FMMS657I | SCFS657I
- ESWP658I | CGRS658I | FMMS658I | SCFS658I
- ESWP659W | CGRS659W | FMMS659W | SCFS659W
- ESWP660W | CGRS660W | FMMS660W | SCFS660W
- ESWP661I | CGRS661I | FMMS661I | SCFS661I
- ESWP662I | CGRS662I | FMMS662I | SCFS662I
- ESWP663W | CGRS663W | FMMS663W | SCFS663W
- ESWP664I | CGRS664I | FMMS664I | SCFS664I
- ESWP670I | CGRS670I | FMMS670I | SCFS670I
- ESWP671E | CGRS671E | FMMS671E | SCFS671E
- ESWP681I | CGRS681I | FMMS681I | SCFS681I
- ESWP683W | CGRS683W | FMMS683W | SCFS683W
- ESWP684I | CGRS684I | FMMS684I | SCFS684I
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- ESWP689W | CGRS689W | FMMS689W | SCFS689W
- ESWP690W | CGRS690W | FMMS690W | SCFS690W
- ESWP691W | CGRS691W | FMMS691W | SCFS691W
- ESWP688E | CGRS688E | FMMS688E | SCFS688E
(rrrr)(PID pppp) Device sddd not accessible : eeeeeee

**Cause**
AutoSwap has detected loss of access to device sddd. Further information as to how the loss was detected is indicated by eeeeeee:

No-paths(xxxxxxx,yyyyyyyy)
No-paths was detected during path validation processing. xxxxxxxx and yyyyyyyyy are diagnostic codes.

UCB condition(xxxxxxx/rrff)
The UCB is in an invalid state:
- xxxxxxx provides a textual description.
- rr indicates the associated UCB byte causing issue.
- ff indicates the current UCB byte setting.

<table>
<thead>
<tr>
<th>xxxxxxxx</th>
<th>rr</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>UCB not valid</td>
<td>01</td>
<td>UCBID specifies a non-standard ID.</td>
</tr>
<tr>
<td>BOXed</td>
<td>02</td>
<td>UCBFLA specifies an invalid state.</td>
</tr>
<tr>
<td>permanent error</td>
<td></td>
<td></td>
</tr>
<tr>
<td>not connected</td>
<td>03</td>
<td>UCBFLB specifies an invalid state.</td>
</tr>
<tr>
<td>hot IO</td>
<td></td>
<td></td>
</tr>
<tr>
<td>no paths</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIH condition</td>
<td>04</td>
<td>UCBMIHTI specifies an invalid state.</td>
</tr>
<tr>
<td>MIH hot IO recovery</td>
<td>05</td>
<td>UCBHOTIO specifies an invalid state.</td>
</tr>
<tr>
<td>MIH condition</td>
<td>06</td>
<td>UCBMIHFG specifies an invalid state.</td>
</tr>
<tr>
<td>MIH condition</td>
<td>07</td>
<td>UCBMIHFG specifies an invalid state.</td>
</tr>
<tr>
<td>no logical paths</td>
<td>08</td>
<td>UCBLPM indicates no logical paths.</td>
</tr>
<tr>
<td>UCB not found</td>
<td>09</td>
<td>UCB not located.</td>
</tr>
<tr>
<td>UCB is not valid</td>
<td>0A</td>
<td>Storage containing the UCB is not accessible.</td>
</tr>
<tr>
<td>UCB prefix not found</td>
<td>0B</td>
<td>UCB prefix not located.</td>
</tr>
</tbody>
</table>

**Action**
Determine and correct the state of the device. z/OS operator commands DS P,sddd and DS QD,sddd may be issued to assist in determining the reason for failure.
ESWP001E | CGRS001E | FMMS001E | SCFS001E

(rrrr) (PID ppppp) Device/UCB sdddd/uuuuuuuu SYSCALL failed: RC/RS/ERS: x xxxxxxxx

**Cause**
A call to the Dell EMC Symmetrix application interface failed for device dddd. Additional diagnostics are included for Dell EMC technical support. For common code errors, an optional explanation is added to the message.

**Action**
Refer to other messages issued and/or the explanation provided in this message to determine the reason for the failure. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for assistance. Make sure you have all relevant job documentation available.

ESWP002I | CGRS002I | FMMS002I | SCFS002E

(rrrr) (PID ppppp) Device modifications complete, RS x xxxxxxxx

**Cause**
The swapping of the contents of the UCBs has been completed with the reason code (RS) displayed.

**Action**
If the reason code is zero, the swap completed successfully. If the reason code is another value, review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**More Information**
Verbose Level: 3

ESWP003I | CGRS003I | FMMS003I | SCFS003I

(rrrr) (PID ppppp) Path group processing for sdddd, RC x xxxxxxxx (yyyyyyyyyyyyyyyy)

**Cause**
The path group has been set or disbanded for the indicated device sdddd. Additional diagnostic information is indicated by x xxxxxxxx and yyyyyyyyyyyyyyyyy.

**Action**
For a non-zero return code, other messages might be produced to indicate the required action and/or might supply additional diagnostic information. Those messages provide further information. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
More Information
Verbose Level: 3

ESWP004E | CGRS004E | FMMS004E | SCFS004E

(rrrrr) (PID ppppp) 'FROM' and 'TO' device cannot both be rr

Cause
The FROM and TO device have been detected as both being the same SRDF type as indicated by rr(either R1 or R2).

Action
Specify an SRDF pair.

ESWP005E | CGRS005E | FMMS005E | SCFS005E

(rrrrr) (PID ppppp) Device sdddd is not an RDF device

Cause
The device specified is not an SRDF device.

Action
Specify an SRDF pair.

ESWP006I | CGRS006E | FMMS006E | SCFS006E

(rrrrr) (PID ppppp) 'FROM' device is an R1

Cause
The FROM device is an SRDF R1 device.

Action
None.

More Information
Verbose Level: 3

ESWP007I | CGRS007I | FMMS007I | SCFS007I

(rrrrr) (PID ppppp) 'FROM' device is an R2

Cause
The FROM device is an SRDF R2 device.

Action
None.

More Information
Verbose Level: 3
ESWP008E | CGRS008E | FMMS008E | SCFS008E

(rrrr) (PID ppppp) R1 device sdddd must be in J0 or J1 mode

Cause
The R1 device must be in synchronous or semi-synchronous mode.

Action
Because the amount of time it would take to synchronize a device in adaptive copy mode, this mode is not allowed. You can use SRDF Host Component to change the mode of the device.

ESWP011E | CGRS011E | FMMS011E | SCFS011E

(rrrr) (PID ppppp) R1 device sdddd did not go TNR: ssss/gg-NRDY|RDY [ssss]

Cause
During the storage system reconfiguration process, the R1 device did not go target not ready on all R2 mirrors.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant information available.

ESWP012E | CGRS012E | FMMS012E | SCFS012E

(rrrr) (PID ppppp) R2 device sdddd did not go R/W

Cause
During the storage system reconfiguration, the R2 device did not go write enable.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

ESWP013E | CGRS013E | FMMS013E | SCFS013E

(rrrr) (PID ppppp) R2 device sdddd did not go R/O

Cause
During the storage system reconfiguration, the R2 device did not go read only.
Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

ESWP014E | CGRS014E | FMMS014E | SCFS014E

(PID ppppp) R1 device sdddd did not go TR* symdv#/RDF group- RDY|NRDY

Cause
During the storage system reconfiguration, the R1 device did not go Target Ready.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

ESWP015I | CGRS015I | FMMS015I | SCFS015I

Process input parameters

Cause
AutoSwap is processing or reprocessing the input parameters from the EMCPARMS DD.

Action
None.

ESWP016I | CGRS016I | FMMS016I | SCFS016I

(PID ppppp) CUU/UCB/prefix/DCE, 'FROM' sddddd/uuuuuuuu/vvvvvvvv/wwwwwwww, 'TO' sddddd/uuuuuuuu/vvvvvvvv/wwwwwwww

Cause
Display of the specified CUUs and their UCB addresses.

Action
None.

More Information
Verbose Level: 3

ESWP017E | CGRS017E | FMMS017E | SCFS017E

"FROM"/"TO" must not specify the same device
Cause
The input parameters specify the same device.

Action
Reenter the input parameters, specifying an SRDF pair.

ESWP018I | CGRS018I | FMMS018I | SCFS018I

(rrrrr)(PID ppppp) Phase zz, Validate UCB status.

Cause
AutoSwap is validating the UCBs as part of the indicated phase (zz).

Action
None.

More Information
Verbose Level: 2

ESWP019I | CGRS019I | FMMS019I | SCFS019I

(rrrrr)(PID ppppp) Phase zz, validate controllers.

Cause
AutoSwap is validating the storage systems as part of the indicated phase (zz).

Action
None.

More Information
Verbose Level: 2

ESWP020E| CGRS020E | FMMS020E | SCFS020E

(rrrrr)(PID ppppp) I/O error while reading the 'FROM' device sddddd
volser, RC/RS xxxxxxxx/yyyyyyyy

Cause
An I/O error occurred while reading the volser of the FROM device. Additional
diagnostic information is returned in the RC and RS fields:

- RC=4 indicates a UCB detected error
  - RS=1 indicates an invalid UCB
  - RS=2 indicates a path-related error
  - RS=3 indicates the device is in permanent error or has been boxed
- RC=8 indicates an error during I/O processing
- RC=12 (x'OC') indicates an internal error
- RC=16 (x'10') indicates intervention required
Action
For an RC=4, ensure that the device is accessible. Issue the z/OS DEVSERV command (for example, DS GD, sddddd) to verify the device is available.

For an RC=8, ensure that the device is in an SRDF ready state. The SRDF Host Component command SQ VOL, sddddd may be used to check the state of the device. If the device is RESERVED for a long period of time on another host, a timeout could have occurred. Check for 'IOS071I Start Pending' messages to indicate this condition.

For an RC=12 (x'0C'), contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.

For an RC=16 (x'10'), ensure that the device is ready to the host. The SRDF Host Component command SQ VOL, sddddd may be used to check the state of the device. For an R1 or R2, it must be RDF-RDY. For an R2, it must also be RDY. The z/OS message 'IOS003A Intervention Required' might also be generated to indicate this condition.

ESWP021E | CGRS021E | FMMS021E | SCFS021E

(rrrrr)(PID ppppp) I/O error while reading the 'TO' device sddddd volser, RC/RS xxxxxxxx/yyyyyyyy

Cause
An I/O error occurred while reading the volser of the TO device. Additional diagnostic information is returned as documented by message ESWP|CGRS|FMMS|SCFS020E.

Note that the TO device does not need to be ready to the host (RNR or NR are acceptable states). AutoSwap automatically sets/resets the device state to check the volser.

Action
For an RC=4, ensure that the device is accessible. The SRDF Host Component command SQ VOL, sddddd may be used to check the state of the device.

ESWP022I | CGRS022I | FMMS022I | SCFS022I

(rrrrr)(PID ppppp) Volser/CUU 'FROM' 'vvvvvv'/sddddd, 'TO' 'vvvvvv'/sddddd

Cause
Display the volser of the two devices.

Action
The volsers must match. If not, specify the input parameters using an SRDF pair.

Verbose Level: 3

More Information
Verbose Level: 3
ESWP023E | CGRS023E | FMMS023E | SCFS023E

(rrrr)(PID ppppp) Volser/CUU 'FROM' 'vvvvvv'/sdddd, 'TO' 'vvvvvv'/sdddd do not match, allowed by NoVolserCheck

Cause
This message has the same cause and action as ESWP024W | CGRS024W | FMMS024W | SCFS024W.

Action
This message has the same cause and action as ESWP024W | CGRS024W | FMMS024W | SCFS024W.

ESWP024I | CGRS024I | FMMS024I | SCFS024I

(rrrr)(PID ppppp) PHASE zz, COLLECT CONTROLLER INFORMATION.

Cause
AutoSwap is collecting storage system information as part of the indicated phase (zz).

Action
None.

More Information
Verbose Level: 2

ESWP024W | CGRS024W | FMMS024W | SCFS024W

(rrrr)(PID ppppp) Volser/CUU 'FROM' 'vvvvvv'/sdddd, 'TO' 'vvvvvv'/sdddd do not match, allowed by NoVolserCheck

Cause
During validation processing a volume serial (volser) mismatch was detected. If the Error (023E) form of this message is displayed then validation processing fails. If the Warning (023W) form of this message is displayed, then validation processing continues.

On an owner system: When the VolserCheck AutoSwap option is set, the FROM and TO volume serials are verified by reading the volume labels of the device pairs. Where AutoSwap is active in the consistency group as a CAX group, the NOVolserCheck option is forced and owner volume serial checking is not performed.

On a non-owner system: The TO device is the volume serial from the owner systems perspective and the FROM device is the volume serial from the non-owners perspective. A mismatch indicates that the volume serial passed by the owner system does not match the volume serial as seen by the non-owner. Only the first device in a contiguous device range is checked for a match.

Action
If the VolserCheck option is set and the message is displayed on the owner system, verify that the devices are valid SRDF pairs.
On a non-owner system, this could indicate the device that has been reinitialized with a new volume serial while online. Verify the device volser using the z/OS Display Units command `D U,,,ffff,1` to make sure it matches with the owner system view of the device. The device might need to be varied offline and online using z/OS operator commands to correct the z/OS view of the device. The device might need to be varied offline and online using the z/OS operator commands to connect the z/OS view of the volume serial.

If the reason for this message cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.

### ESWP026I | CGRS026I | FMMS026I | SCFS026I

**Cause**
AutoSwap is verifying the SRDF storage system configuration as part of the indicated phase (zz).

**Action**
None.

**More Information**
Verbose Level: 2

### ESWP028I | CGRS028I | FMMS028I | SCFS028I

**Cause**
AutoSwap is checking, if necessary, with transfer device reserves as part of the indicated phase (zz).

**Action**
None.

**More Information**
Verbose Level: 2

### ESWP029I | CGRS029I | FMMS029I | SCFS029I

**Cause**
AutoSwap is reconfiguring SRDF as part of the indicated phase (zz).

**Action**
None.

**More Information**
Verbose Level: 2
ESWP030I | CGRS030I | FMMS030I | SCFS030I

(rrrr)(PID ppppp) PHASE zz, Modify Device control structures.

**Cause**
AutoSwap is invoking service routines to modify z/OS control structures as part of the indicated phase (zz).

**Action**
None.

**More Information**
Verbose Level: 2

ESWP031I | CGRS031I | FMMS031I | SCFS031I

(rrrr)(PID ppppp) Phase zz, establish/validate path group.

**Cause**
AutoSwap is invoking service routines to establish and verify the dynamic pathing to the device as part of the indicated phase (zz).

**Action**
None.

**More Information**
Verbose Level: 2

ESWP034E | CGRS034E | FMMS034E | SCFS034E

(rrrr)(PID ppppp) R1 device sdddd must not be in domino mode

**Cause**
The R1 device in an SRDF pair has the Domino attribute.

**Action**
You must remove the Domino attribute on the SRDF pair. You can use the SRDF Host Component to perform this action.

ESWP035E | CGRS035E | FMMS035E | SCFS035E

(rrrr)(PID ppppp) I/O error while reading CC info, RC/RS/ERS xxxxxxxx/yyyyyyyy/zzzzzzzz

**Cause**
An I/O error occurred while reading the concurrent copy status for the device.

**Action**
correct the state of the device and try the swap again.
ESWP036I | CGRS036I | FMMS036I | SCFS036I

(rrrr)(PID ppppp) Phase zz, Check software features.

**Cause**
AutoSwap is checking for any incompatible software features as part of the indicated phase (zz).

**Action**
None.

**More Information**
Verbose Level: 2

ESWP037E | CGRS037E | FMMS037E | SCFS037E

(rrrr)(PID ppppp) Concurrent copy (CC) must not be active on the 'FROM' device sdddd.

**Cause**
One or more Concurrent Copy (CC) sessions were detected on the FROM device, sdddd.

**Action**
Either wait for the job using the Concurrent Copy (CC) session to complete and rerun the swap, or specify the AutoSwap option AllowConcurrentCopy to allow the swap to take place. If AllowConcurrentCopy is specified, the job using the Concurrent Copy session fails at the time the swap occurs.

ESWP038E | CGRS038E | FMMS038E | SCFS038E

(rrrr)(PID ppppp) R1=>R2 TNR failed

**Cause**
While configuring the storage system for the swap, a command failed.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

ESWP039E | CGRS039E | FMMS039E | SCFS039E

(rrrr)(PID ppppp) R1=>R2 R/W failed

**Cause**
While configuring the storage system for the swap, a command failed.
**Common Swap Services**

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**ESWP040E | CGRS040E | FMMS040E | SCFS040E**

(rrrr)(PID ppppp) R2=>R1 R/O failed

**Cause**
While configuring the storage system for the swap, a command failed.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**ESWP041E | CGRS041E | FMMS041E | SCFS041E**

(rrrr)(PID ppppp) R2=>R1 TR failed.

**Cause**
While configuring the storage system for the swap, a command failed.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**ESWP042I | CGRS042I | FMMS042I | SCFS042I**

(rrrr)(PID ppppp) RESERVE transferred to 'TO' device.

**Cause**
During phase 10 of the swap, a reserve held on the FROM device has been transferred to the TO device.

**Action**
None.

**ESWP044E | CGRS044E | FMMS044E | SCFS044E**

(rrrr)(PID 00000) 'FROM'/'TO' ffff/tttt device types tttt/uuuu are not equal.
Cause
The indicated FROM (ffff) and TO (tttt) devices have differing device types tttt and
uuuu. This indicates that the devices are of a different geometry and cannot be
swapped.

Action
Specify a correct FROM and TO device that are of the same device type.

ESWP045E | CGRS045E | FMMS045E | SCFS045E

(rrrr)(PID pppppp) SymDV#/Ctrl# 'FROM' sddddcccc, 'TO' sddddcccc
do not point to each other.

Cause
The specified SRDF devices do not point to each other.

Action
Specify a correct R1/R2 pair.

ESWP047I | CGRS047I | FMMS047I | SCFS047I

(rrrr)(PID pppppp) SymDV#/Ctrl#/OSymDV#/RDFgrp/RA#/DA#/DA#,
'FROM' sssssssssccccccccccccccgg/xx/yy/zz,
'TO' sssssssssccccccccccccccgg/xx/yy/zz.

Cause
Display PowerMax/VMAX device information.

Action
None.

More Information
Verbose Level: 1

ESWP048E | CGRS048E | FMMS048E | SCFS048E

(rrrr)(PID pppppp) Device sdddd RDFgrp gg not found or no RA online
in group.

Cause
Either the SRDF group gg could not be found or no RAs were found to be online to the
group.

Action
If an SRDF group was specified in the AutoSwap options, verify that it is a valid SRDF
group and that there is an RA online to the group.

ESWP049E | CGRS049E | FMMS049E | SCFS049E

(rrrr)(PID pppppp) Device sdddd RDF mirror count x is not valid.
**ESWP050E | CGRS050E | FMMS050E | SCFS050E**

(rrrrr)(PID ppppp) Controller must be at microcode level 5062 or higher.

**Cause**
An invalid number of mirrors has been detected. This could indicate that an internal error has occurred.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**ESWP051E | CGRS051E | FMMS051E | SCFS051E**

(rrrrr)(PID ppppp) Specified device must be on a EMC controller.

**Cause**
A device specified is on a storage system with an unsupported level of the operating environment.

**Action**
Specify an SRDF pair on a supported operating environment level.

**ESWP052E | CGRS052E | FMMS052E | SCFS052E**

(rrrrr)(PID ppppp) R1 device sdddd has R2 invalid tracks.

**Cause**
The number of invalid tracks for the R2 on the R1 is invalid for a swap request.

**Action**
Use the SRDF Host Component to synchronize the SRDF pair.

**ESWP053E | CGRS053E | FMMS053E | SCFS053E**

Abend detected in AutoSwap main task.

**Cause**
An abend has occurred in the AutoSwap main task. AutoSwap will terminate.
Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

ESWP054I | CGRS054I | FMMS054I | SCFS054I

(rrrr)(PID ppppp) DCE's processed, RS xxxxxxxxx

Cause
The DCEs have been updated.

Action
None.

ESWP055E | CGRS055E | FMMS055E | SCFS055E

(rrrr)(PID ppppp) CFW must not be active on the 'FROM' controller Ctrl#/SSID cccc/ssss.

Cause
Cache Fast Write (CFW) has been detected as active on the indicated storage system (ccccc) SSID (ssss). Devices on this storage system/SSID cannot be swapped.

Action
If the devices are to be swapped either deactivate CFW using the IBM IDCAMs utility or specify an AutoSwap CFW option other than NO (the default).

ESWP056E | CGRS056E | FMMS056E | SCFS056E

(rrrr)(PID ppppp) Device sdddd must not be part of a dual copy pair.

Cause
Dual copy was detected on the FROM device indicated by sdddd.

Action
Dual Copy must be terminated prior to proceeding.

ESWP057E | CGRS057E | FMMS057E | SCFS057E

(rrrr)(PID ppppp) AutoSwap serialization ENQ failed.

Cause
The swap process could not serialize the swap devices.

Action
Ensure that another AutoSwap job is not currently in progress for the devices represented by the PID.
If you cannot determine the reason for the failure, review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**ESWP058E | CGRS058E | FMMS058E | SCFS058E**

(rrrrr) Abend detected in AutoSwap Swap Manager.

**Cause**
An ABEND has occurred in the indicated AutoSwap swap request. The swap request will terminate.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**ESWP059E | CGRS059E | FMMS059E | SCFS059E**

(rrrrr)(PID ppppp) Device dddd failed UCB scan.

**Cause**
The indicated device could not be located.

**Action**
Ensure that a valid DASD device is specified.

**ESWP060E | CGRS060E | FMMS060E | SCFS060E**

(rrrrr)(PID ppppp) UCB SWAP backout failed, RS xxxxxxxxx.

**Cause**
When SHARED=Y, another host failed its UCB swap, and this host is attempting to backout its own UCB swap. The backout failed.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**ESWP065I | CGRS065I | FMMS065I | SCFS065I**

(rrrrr)(PID ppppp) Synchronize checkpoint xx complete.
**Cause**
The current synchronization level is complete. This message is displayed once for each checkpoint.

**Action**
None.

**ESWP067E | CGRS067E | FMMS067E | SCFS067E**

(rrrr) (PID ppppp) R1 device sdddd must be TNR on a R2=>R1 SWAP.

**Cause**
The R1 device in a R2 to R1 swap is SRDF write-disabled (RWD). This is an invalid state, which could result in data loss.

**Action**
Refer to the tables in the Recovery Procedures section of the Dell EMC Mainframe Enablers AutoSwap for z/OS Product Guide describing the RWD status and procedure to correct it. Change the status to target not-ready (TNR) and run AutoSwap again.

**ESWP068I | CGRS068I | FMMS068I | SCFS068I**

(rrrr) (PID ppppp) Phase zz, suspend I/O.

**Cause**
AutoSwap is suspending new I/O requests and waiting for current I/O to complete as part of indicated phase (zz).

**Action**
None.

**More Information**
Verbose Level: 2

**ESWP069I | CGRS069I | FMMS069I | SCFS069I**

(rrrr) (PID ppppp) Phase zz, resume I/O.

**Cause**
AutoSwap is allowing I/O to resume as part of indicated phase (zz).

**Action**
None.

**More Information**
Verbose Level: 2

**ESWP071E | CGRS071E | FMMS071E | SCFS071E**

(rrrr) (PID ppppp) Invalid RDF mirror number: xx.
Cause
An invalid mirror number has been detected.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

ESWP073E | CGRS073E | FMMS073E | SCFS073E

(rrrr)(PID ppppp) Storage obtain failed for link list buffer.

Cause
The STORAGE OBTAIN failed for the link list buffer.

Action
Increase the region size for the job.

ESWP074E | CGRS074E | FMMS074E | SCFS074E

(rrrr)(PID ppppp) Storage release failed for link list buffer.

Cause
The STORAGE RELEASE failed for the link list buffer.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

ESWP075E | CGRS075E | FMMS075E | SCFS075E

(rrrr)(PID ppppp) EMCLLS failed, RC xxxxxxxx, RSNC yyyyyyyy

Cause
The link list search routine failed with the indicated return/reason codes.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

ESWP076W | CGRS076W | FMMS076W | SCFS076W

(rrrr)(PID ppppp) Volume vvvvvv has nnnn active link list data set(s).
**Cause**
Active link list datasets have been detected on the source volume.

**Action**
After the swap completes, issue the refresh LLA command (F LLA, REFRESH).

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**ESWP077E| CGRS077E | FMMS077E | SCFS077E**

(r(rrrr)(PID ppppp) GETCPLFL failed, RC xxxxxxxxx, RSNC yyyyyyyy

**Cause**
The XCF search routine failed with the indicated return/reason codes.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

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**ESWP078E | CGRS078E | FMMS078E | SCFS078E**

Extended RC/RSNC xxxxxxxxx/xxxxxxxx.

**Cause**
The XCF search routine failed with the indicated extended return/reason codes.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

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**ESWP079E | CGRS079E | FMMS079E | SCFS079E**

(r(rrrr)(PID ppppp) Volume vvvvvv has XCF couple data sets:
couple_dataset_name
[More...]**

**Cause**
The indicated volume (vvvvvv) contains XCF couple datasets. This situation will prevent swap processing as the NOALLOWCOUPLEDDATASETS option was specified for the group. The couple datasets located on the volume are displayed in MLWTO format following the ESWP|CGRS|FMMS|SCFS079E message. The 'More...' line is displayed if more than eight couple datasets are found.

**Action**
If swap processing is required for the device, specify the ALLOWCOUPLEDDATASETS option. Not all couple datasets are eligible to be swapped. The specification of ALLOWCOUPLEDDATASETS must only be done for certain LOGR couple datasets.
Note
The Dell EMC Mainframe Enablers AutoSwap for z/OS Product Guide provides a description of ALLOWCOUPLEDDATASETS.

ESWP080I | CGRS080I | FMMS080I | SCFS080I

(rrrr)(PID ppppp) Device sdddd offline, yyyyyyy.

Cause
The FROM device sddd has been detected as offline. The value for yyyyyyy is set based on the AutoSwap options:

- If BypassOfflineDevices is specified, yyyyyyy is set to 'bypassed' to indicate that the device will not be processed.

If a previously bypassed device is varied online, it becomes part of the swap group. If the device does not undergo validated prior to a subsequent swap request, yyyyyyy is set to 'online bypassed at swap'; the device remains bypassed and is not swapped.

If an online device is varied offline, it can only become 'bypassed' if the device has not been propagated by the owner to other systems during validation. If the device became known to other systems during validation, it won't become 'bypassed'. It takes on a similar attribute to AllowOfflineDevices and yyyyyyy is set to 'bypass changed to allow'.

Devices being bypassed may be displayed using the DISPLAY GROUP ggggggg DET F BYPASS operator command. Bypassed devices which are requested for swapped change their status to SwapByp at the completion of the swap. In this case, use the DISPLAY GROUP ggggggg DET F SWAPBYP command.

- If BypassOfflineDevices is specified and the device is online to the owning group host, yyyyyyy is set to 'allowed for cross system requests' on cross system AutoSwap operations. This indicates that the device will be processed on cross-system, AutoSwap operations, however the physical UCB swap will not be performed by this AutoSwap, as this is not necessary. However, device reconfiguration will be performed.

- If AllowOfflineDevices is specified, yyyyyyy is set to 'allowed' to indicate that all process will be performed for the device on this host (I/O quiesce, SRDF reconfiguration, and so on); however, the physical UCB swap will not be performed by this AutoSwap, as this is not necessary. However, device reconfiguration will be performed.

Action
Verify that the device was intentionally left in an offline state. AutoSwap continues processing. If offline devices are not to be processed, specify the AutoSwap option NoBypassOfflineDevices. This will prevent a device being validated where offline devices (on any host) are detected.

ESWP081E | CGRS081E | FMMS081E | SCFS081E

(rrrrr)(PID ppppp) Device sdddd, xxxxxxxx failed.
Cause
The command to set the R1 device to a xxxxxxxx state failed. Where xxxxxxxx is either RDF-NRDY or RDF-RDY.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

ESWP082W | CGRS082W | FMMS082W | SCFS082W

(rrrr)(PID ppppp) R1 could not be made NRDY.

Cause
On a R1 to R2 swap, FROMNRDY was requested; however, the RDF_NRDY command failed on the R1 device. The R1 has been left in TNR status.

Action
You can change the R1 status to RDF-NRDY using the SRDF Host Component. If you cannot determine the reason for the failure, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.

ESWP083E | CGRS083E | FMMS083E | SCFS083E

(rrrr)(PID ppppp) R2 device sddd, xxxxxxxx failed.

Cause
The command to set the R2 device to a xxxxxxxx state failed. Where xxxxxxxx is either NRDY or RDY.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

ESWP084W | CGRS084W | FMMS084W | SCFS084W

(rrrr)(PID ppppp) R2 could not be made NRDY.

Cause
On a R2 to R1 swap, FROMNRDY was requested; however, the NRDY command failed on the R2 device. If FROMNRDY=Y, the R2 has been left in R/O status, otherwise, a backout of the swap is initiated.

Action
You can change the R2 status to NRDY using the SRDF Host Component. If you cannot determine the reason for the failure, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.
ESWP088I | CGRS088I | FMMS088I | SCFS088I

(rrrr)(PID ppppp) Backout processing initiated ffff/tttt

Cause
An error has occurred during the swap processing of the FROM/TO devices as indicated by ffff and tttt such that a backout of the swap is being performed. See previous messages for the reason for the backout.

The 'FROM'/'TO' devices (fff/ttttt) are displayed as follows:

- **cccccc,ssssssss**
  Format used where an z/OS device number (ccuu) could not located. ccccc is the storage system serial number, sssssss is the PowerMax/VMAX device number. The leading 2 digits are suppressed when zero.

- **sdddd**
  The format used where an z/OS device number was located:
  - **s** indicates the subchannel set number.
  - **dddd** indicates the 4 digit z/OS device number.

Action
Examine other messages generated by the swap processing to determine the reason for the backout. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot find the reason for the problem, contact the Dell EMC Customer Support Center for technical assistance.

ESWP090E | CGRS090E | FMMS090E | SCFS090E

AutoSwap processor ATTACH failed xxxxxxxx.

Cause
An error has occurred when attaching a new AutoSwap process.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

ESWP091E | CGRS091E | FMMS091E | SCFS091E

AutoSwap processor IDENTIFY failed xxxxxxxx.

Cause
An error occurred when attaching a new AutoSwap process.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem,
contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**ESWP092E | CGRS092E | FMMS092E | SCFS092E**

(rrrr)(PID ppppp) 'FROM'/'TO' must not specify the same device.

**Cause**
The input parameters specify the same device.

**Action**
Reenter the input parameters, specifying an SRDF pair.

**ESWP093E | CGRS093E | FMMS093E | SCFS093E**

(rrrr)(PID ppppp) AutoSwap cccccccc 'FROM'/'TO' ffff/tttt completed, RC/RS xxxxxxxx/yyyyyyyy.

**Cause**
The AutoSwap SWAP or VALIDATE as indicated by cccccccc has completed for the indicated FROM and TO devices. If the devices are not known (not yet resolved), ???? is displayed.

- If RC is higher than the allowed MAXRC specified on the AutoSwap options, the processing will be quiesced.
- If RC>0, ESWP|CGRS|FMMS|SCFS093W is generated.
- If RC>4, ESWP|CGRS|FMMS|SCFS093E is generated.

The 'FROM'/'TO' devices (ffff/tttt) are displayed as follows:

- ccccc.ssssssss
  Format used where an z/OS device number (ccuu) could not located. ccccc is the storage system serial number, ssssssss is the PowerMax/VMAX device number. The leading 2 digits are suppressed when zero.

- sdddd
  The format used where an z/OS device number was located:
  - s indicates the subchannel set number.
  - ddddd indicates the 4 digit z/OS device number.

**Action**
If the return code is 0, the SWAP or VALIDATE has completed successfully. For other return codes, examine the log for additional messages.

**More Information**
Verbose Level: 1 if VALIDATE mode and the return code is less than or equal to 4. Otherwise, the message is always produced.

**ESWP093I | CGRS093I | FMMS093I | SCFS093I**

(rrrr)(PID ppppp) AutoSwap cccccccc 'FROM'/'TO' ffff/tttt completed.
**Cause**
AutoSwap completed.

**Action**
None.

**ESWP093W | CGRS093W | FMMS093W | SCFS093W**

(rrrr)(PID ppppp) AutoSwap cccccc 'FROM'/"TO" ffff/tttt completed, RC/RS xxxxxxxx/yyyyyy.

**Cause**
AutoSwap completed.

**Action**
None.

**ESWP094W | CGRS094W | FMMS094W | SCFS094W**

Process count exceeds maximum, reduced to xxxx.

**Cause**
The provided process count (PROCCNT) is larger than the maximum value that may be specified.

**Action**
The process count is reduced to the indicated maximum value.

**ESWP095E | CGRS095E | FMMS095E | SCFS095E**

(rrrr)(PID ppppp) Abend in phase xxx.

**Cause**
An abend has occurred for the PID in the specified phase.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**ESWP097E | CGRS097E | FMMS097E | SCFS097E**

(rrrr)(PID ppppp) RC xxxxxxxx exceeds allowable MAXRC xxxxxxxx. Processing quiesced. [Group processing disabled.]

**Cause**
The AutoSwap SWAP or VALIDATE processing has completed with an RC higher than the allowed MAXRC specified on the AutoSwap options. No new processes will start, however existing work will be allowed to complete.
The RC displayed in this message is in decimal.

Note
Where the group is defined with SWAPCONTROL=BYGROUP the group now becomes disabled and swap processing will not be allowed.

Action
Examine the log for additional messages to determine the reason for the failure. If the RETAIN AutoSwap option has been specified, the group will remain in an active ‘IDLE’ state. After the reason for the failure has been rectified, the processing may be initiated again using the same group name. In addition, if a device state change is detected by AutoSwap for the indicated device, it will automatically be revalidated for processing.

ESWP098I | CGRS098I | FMMS098I | SCFS098I

(rrrr) (PID ppppp) CFW deactivated on device controller Ctrl#/SSID ccccc/ssss.

Cause
Cache Fast Write (CFW) has been deactivated as requested on the indicated storage system (cccc) SSID (ssss).

Action
None.

ESWP099I | CGRS099I | FMMS099I | SCFS099I

(rrrr) (PID ppppp) CFW activated on 'TO' device controller Ctrl#/SSID ccccc/ssss.

Cause
Cache Fast Write (CFW) has been activated as requested on the indicated storage system (cccc) SSID (ssss).

Action
None.

ESWP100E | CGRS100E | FMMS100E | SCFS100E

(rrrr) (PID ppppp) Cross system count mismatch. Located xxxx, required yyy.

Cause
During validation processing, a system count mismatch has been detected which has resulted in a processing error. AutoSwap automatically determines the number of LPARs with the device online. During validation processing, AutoSwap validates that all of these LPARs have AutoSwap running and that the devices are accessible.

Message ESWP195I | CGRS195I | FMMS195I | SCFS195I is written to indicate the hosts and the path groups which are required to satisfy the request.
**Action**
Ensure that AutoSwap is running on all hosts indicated by the 'Path group warning' lines in this message.

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**Note**
Message ESWP195I | CGRS195I | FMMS195I | SCFS195I provides further information on these message lines.

In addition, devices with the detected mismatch may be displayed using the DISPLAY GROUP DETAIL FIND ! command (the ! indicator on the display detail command shows those devices with a count mismatch). A system count mismatch can be allowed using the AllowSystemsCountMismatch AutoSwap option. Exercise caution when using the AllowSystemsCountMismatch option as hosts may incorrectly access different devices at the conclusion of the swap.

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**ESWP101W | CGRS101W | FMMS101W | SCFS101W**

(rrrrr)(PID ppppp) Cross system count mismatch allowed. Located xxxx, required yyyy.

**Cause**
During validation processing, a system count mismatch has been detected and bypassed by the AllowSystemsCountMismatch AutoSwap option. Message ESWP100E | CGRS100E | FMMS100E | SCFS100E for additional details. Note that in contrast with message ESWP|CGRS|FMMS|SCFS100E, message ESWP195I | CGRS195I | FMMS195I | SCFS195I is only displayed if at least verbose level 3 is set.

**Action**
Careful use of the AllowSystemsCountMismatch AutoSwap option must be exercised, especially where the ChangeSourceDevice=NONRDY option has also been selected, as hosts might incorrectly access different devices at the conclusion of the swap.

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**ESWP102E | CGRS102E | FMMS102E | SCFS102E**

(rrrrr)(PID ppppp) Storage obtain failed for ENF signal processing.

**Cause**
The parameter area could not be obtained for ENF signal processing. The DDR signal will not be generated for this swap process.

**Action**
Increase the REGION size for the AutoSwap job.

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**ESWP103E | CGRS103E | FMMS103E | SCFS103E**

(rrrrr)(PID ppppp) Storage release failed for ENF signal processing.

**Cause**
The parameter area could not be released after ENF signal processing.
Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

ESWP104I | CGRS104I | FMMS104I | SCFS104I

(rrrr)(PID ppppp) Device sdddd volser changed to 'xxxxxx'.

Cause
The source device volser has been changed to the indicated volser after swap processing has completed. The prefix for the volser was specified on the CHGVOLP parameter. The 4 character suffix is the z/OS device number of the source device.

Action
None.

ESWP105W| CGRS105W | FMMS105W | SCFS105W

(rrrr)(PID ppppp) Device sdddd volser change failed RC xxxxxxx.x

Cause
The source device volser could not be changed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

ESWP107I | CGRS107I | FMMS107I | SCFS107I

(rrrr)(PID ppppp) Phase zz, update 'FROM' device status.

Cause
AutoSwap is updating the FROM device as required by the ChangeSourceDevice specification as part of indicated phase (zz).

Action
None.

More Information
Verbose Level: 2

ESWP108I | CGRS108I | FMMS108I | SCFS108I

(rrrr)(PID ppppp) Phase zz, signal completion.
Cause
AutoSwap is invoking system services (ENF and SSI) to inform other operating system components of the swap completion as part of indicated phase (zz).

Action
None.

More Information
Verbose Level: 2

ESWP111W | CGRS111W | FMMS111W | SCFS111W

(rrrr) (PID ppppp) xxxxxxxxxxxxxxx failed on Tgtdev/RDFgrp/Dir# dddd/tttt/gg/xx, RS aa, redrive bb of cc.

Cause
The indicated request command (xxxxxxxxxxxxxxx) failed on the indicated device and will be retried. During device reconfiguration, AutoSwap will attempt to retry, up to the limit cc, some reconfiguration commands where the error is detected as a transient condition. The reason for the redrive is indicated by aa:
01 - Remote request with no link available (R2 to R1 swap only).
02 - Remote request failed.
03 - Storage system busy.
05 - Request timeout.
06 - Storage (region) shortage.

Action
Message ESWP001E | CGRS001E | FMMS001E | SCFS001E is displayed as a verbose level 3 message to indicate full diagnostics of the detected error condition. If all retries are exhausted, ESWP|CGRS|FMMS|SCFS001E is displayed as a non-verbose message to indicate the final detected error condition.

ESWP112E | CGRS112E | FMMS112E | SCFS112E

(rrrr) (PID ppppp) R1 did not go TR, redrive xxxx of yyyy: ssssssss/group- NRDY|RDY.

Cause
The processing to make the R1 Target Ready on the R2 mirror has failed and will be redriven. ssssssss/group indicates the R2 PowerMax/VMAX device number ssssssss, SRDF group and mirror status for the R1.

Action
If this occurs frequently, review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESWP113I | CGRS113I | FMMS113I | SCFS113I

(rrrr)(PID ppppp) R1=>R2 TNR prior to swap.

**Cause**
On a R1->R2 swap, the R2 is Target Not Ready (TNR) at the initiation of the swap processing. The swap can still be successfully completed if other validation checks complete successfully. If a backout is required, the R1 is left TNR on the R2 mirror.

**Action**
None.

ESWP114W | CGRS114W | FMMS114W | SCFS114W

(rrrr)(PID ppppp) R2 did not go R/O, redrive xxxx of yyyy.

**Cause**
The processing to make the R2 Read Only has failed and will be redriven.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

ESWP115W | CGRS115W | FMMS115W | SCFS115W

(rrrr)(PID ppppp) R2 did not go R/W, redrive xxxx of yyyy.

**Cause**
The processing to make the R2 Read Write has failed and will be redriven.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

ESWP116W | CGRS116W | FMMS116W | SCFS116W

(rrrr)(PID ppppp) R1 did not go TNR, redrive xxxx of yyyy: ssssssssssssss/group - NRDY|RDY [ssss/group - NRDY|RDY].

**Cause**
The processing to make the R1 Target Not Ready on the R2 mirror(s) has failed and will be redriven. ssssssssssssssssssss/group indicates the R2 PowerMax/VMAX device number ssssssssssss, SRDF group and mirror status for the R1. For concurrent SRDF up to 2 R2 status will be displayed.
Action
If this occurs frequently, review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESWP117W | CGRS117W | FMMS117W | SCFS117W**

(rrrr)(PID ppppp) Rx did not go RDF-NRDY, redrive xxxx of yyyy.

**Cause**
An SRDF device (R1 or R2) did not go SRDF not ready and the request will be redriven. Additional messages may be issued to indicate the reason for the failure. If the number of redrives is exceeded, processing fails.

**Action**
If the number of redrives is exceeded or this occurs frequently, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.

**ESWP118W | CGRS118W | FMMS118W | SCFS118W**

(rrrr)(PID ppppp) RX did not go RDF-RDY, redrive xxxx OF xxxx.

**Cause**
An SRDF device (R1 or R2 as indicated by X) did not go SRDF ready and the request will be redriven. Additional messages may be issued to indicate the reason for the failure. If the number of redrives is exceeded, the processing will fail.

**Action**
If the number of redrives is exceeded or this occurs frequently, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.

**ESWP119W | CGRS119W | FMMS119W | SCFS119W**

(rrrr)(PID ppppp) R2 did not go RDY, redrive xxxx of xxxx.

**Cause**
An R2 SRDF device did not go ready and the request will be redriven. Additional messages may be issued to indicate the reason for the failure. If the number of redrives is exceeded, the processing will fail.

**Action**
If the number of redrives is exceeded or this occurs frequently, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.
ESWP120W | CGRS120W | FMMS120W | SCFS120W

(rrrr) (PID pppp) R2 did not go NRDY, redrive xxxx of xxxx.

Cause
An R2 SRDF device did not go not ready and the request will be redriven. Additional messages may be issued to indicate the reason for the failure. If the number of redrives is exceeded, processing fails.

Action
If the number of redrives is exceeded or if you receive this message frequently, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.

ESWP121E | CGRS121E | FMMS121E | SCFS121E

Storage could not be obtained to process request.

Cause
Enough private area storage could not be obtained to process the request.

Action
Increase the AutoSwap region size.

ESWP122I | CGRS122I | FMMS122I | SCFS122I

Waiting to shutdown, requests still active: xxxx.

Cause
A stop operator command has been entered for AutoSwap. However, the indicated number of requests is still active. AutoSwap will shutdown when all requests have completed.

Action
If there are AutoSwap swap or validate processes currently running (not IDLE), an additional stop command may be entered to interrupt them for completion. However, this cannot be done where a swap is in progress for a cross system swap other than for the group owner.

ESWP123I | CGRS123I | FMMS123I | SCFS123I

fffffff file parsed successfully.

Cause
The parameter file as indicated by the ffffffff DD was parsed successfully as a result of an initial AutoSwap start or from a SET PARMS operator command.

Action
None.
ESWP124I | CGRS124I | FMMS124I | SCFS124I

ffffff DD not found, no requests to process.

Cause
The parameter file as indicated by the fffffff DD was not supplied for AutoSwap processing.

Action
None.

ESWP125E | CGRS125E | FMMS125E | SCFS125E

EMCPARMS DD open failed RC xxxxxxxxx.

Cause
The EMCPARMS file was supplied on the AutoSwap procedure, however it could not be opened.

Action
Verify that the EMCPARMS file is valid and for a PDS or LIBRARY that a valid member name has been specified. Restart AutoSwap.

ESWP126I | CGRS126I | FMMS126I | SCFS126I

Shutdown xxxxxxxxx accepted from CN(xxxxxxxx)

Cause
A STOP command has been entered on the indicated console. xxxxxxxxxx indicates whether a 'normal' or 'immediate' shutdown was requested. When the first STOP command is entered, this is a normal shutdown. Existing work is allowed to complete. On the issuance of a subsequent STOP command, this is converted to an immediate shutdown. This will result in some work being stopped prior to completion. If a swap is in progress, depending on its phase it could be backed out.

Action
None.

ESWP127E | CGRS127E | FMMS127E | SCFS127E

Cannot process request, AutoSwap is quiesced.

Cause
A stop command to shutdown AutoSwap has been previously entered and no new work is being accepted.

Action
None.
ESWP128E | CGRS128E | FMMS128E | SCFS128E

**Internal error** rrrrrrrr detected by mmmmmmmm, xxxxxxxx/yyyyyyyy/zzzzzzz.

**Cause**
An internal error has been detected. Additional diagnostic information is returned to indicate the function (rrrrrrrr), module (mmmmmmmmm) and related error feedback data (xxxxxxxx/yyyyyyyy/zzzzzzz).

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

ESWP129E | CGRS129E | FMMS129E | SCFS129E

(rrrrr) Request IDENTIFY for mmmmmmmm/aaaaaaaa failed xxxxxxxx.

**Cause**
The indicated request routine service module (mmmmmmmmm/aaaaaaaa) failed IDENTIFY with the indicated return code (xxxxxxxx).

**Action**
Additional information pertaining to the IDENTIFY may be obtained in the IBM publication, MVS Service Assembler Reference. Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESWP130E | CGRS130E | FMMS130E | SCFS130E

(rrrrr) Request ATTACH for mmmmmmmm/aaaaaaaa failed xxxxxxxx.

**Cause**
The indicated request routine service module (mmmmmmmmm/aaaaaaaa) failed ATTACH with the indicated return code (xxxxxxxx).

**Action**
Additional information pertaining to the ATTACH may be obtained in the IBM publication, MVS Service Assembler Reference. Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESWP131I | CGRS131I | FMMS131I | SCFS131I

(request completed with RC/RS xxxxxxxx/yyyyyyyy).

Cause
The indicated request (rrrrrrrr) completed with the return code (xxxxxxxx) and reason code (yyyyyyyy).

Action
If the return code is non-zero, additional messages will be displayed to indicate the reason for the warning (RC=4) or failure (RC>4). Verbose Level: 10

ESWP132E | CGRS132E | FMMS132E | SCFS132E

(Multiple configured 'TO' devices, RDFgrp/SymDV#/Ctrl#/CUU: gg/ssssssss/cccc/sdddd gg/ssssssss/cccc/sdddd).

Cause
RDFGRP=CONFDEV was specified on the AutoSwap options to allow AutoSwap to select the required concurrent SRDF device. When CONFDEV is used, AutoSwap will select the R2 device which is defined to the z/OS system (LPAR) and defined to SCF. However, more than one R2 was detected as being defined to this mainframe system.

Action
Either of the following:

- Change the RDFGRP specification on the AutoSwap options to the required SRDF group.
- Update SCF to EXCLUDE the device which AutoSwap is not to select and restart SCF, or issue the following SCF commands:
  - INI,REFRESH
  - DEV,REFRESH

Note
The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides information on these commands.

ESWP133E | CGRS133E | FMMS133E | SCFS133E

(RDFGROUP must be specified for sdddd due concurrent RDF).

Cause
The device sdddd has concurrent SRDF active. An RDFGROUP must be specified to identify which R2 AutoSwap to process.

Action
Update the AutoSwap options to specify the required RDFGROUP. If only one of the R2 devices is defined to the operating system, RDFGROUP=CONFDEV may be specified.

Dell EMC Mainframe Enablers 8.3 Message Guide
ESWP134E | CGRS134E | FMMS134E | SCFS134E

(rrrr)(PID ppppp) Specified RDFGROUP xx, is not valid for 'FROM' device sdddd.

Cause
The device sdddd has concurrent SRDF active. An RDFGROUP was specified which is not valid for the device.

Action
Update the AutoSwap options to specify a valid RDFGROUP. If only one of the R2 devices is defined to the operating system, RDFGROUP=CONFDEV may be specified.

ESWP135I | CGRS135I| FMMS135I | SCFS135I

(rrrr)(PID ppppp) 'FROM' CUU/UCB/volser sdddd/uuuuuuuu/vvvvvv, 'TO' device will be obtained from EMCSCF.

Cause
Informational message to indicate that AutoSwap is using EMCSCF to resolve the 'TO' device. The indicated volser (vvvvvv) for the FROM device is obtained directly from the UCB for this message. If the device is offline, "UNKN" will be displayed.

Action
None.

More Information
Verbose Level: 1

ESWP136E | CGRS136E | FMMS136E | SCFS136E

(rrrr)(PID ppppp) EMCSCF is not active, cannot determine device.

Cause
AutoSwap is attempting to resolve a device and EMCSCF is not active.

Action
Start EMCSCF.

Note
The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides details about starting EMCSCF.

ESWP137E | CGRS137E | FMMS137E | SCFS137E

(rrrr)(PID ppppp) EMCSCF cannot locate device UCB for [Sym|CCA]DV#/Ctrl#/SSID sssssssssssssccciiii.
Cause
AutoSwap is attempting to resolve a device using EMCSCF. However, the PowerMax/VMAX device number or CCA (ssssssss), storage system serial number (cccccc) and SSID (iiii) is not defined. The swap cannot be performed.

Action
If the device is to be swapped and it is defined on this image (LPAR), specify the device in the INCLUDE list to EMCSCF and restart SCF, or issue the following SCF commands:

- INI,REFRESH
- DEV,REFRESH

If the device is located in a subchannel set other than 0 then ensure that the SCF.DEV.MULTSS=YES parameter is specified in the SCFINI parameter file. The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides more information.

ESWP138E | CGRS138E | FMMS138E | SCFS138E

*(rrrrr) (PID ppppp) EMCSCF internal error xxxxxxxx for xxx DV#/Ctrl#/SSID ssssssssscccccciiii.*

Cause
An internal error has been detected in EMCSCF.

Action
Examine the log, including the EMCSCF log, to see if other messages have been produced to further explain the error.

Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESWP139I | CGRS139I | FMMS139I | SCFS139I

*(rrrrr) VALIDATE of group gggggggg already in progress, request ignored.*

Cause
A VALIDATE has been requested for the indicated group (gggggggg). However the group is already being validated.

Action
If the group is to be revalidated, wait for the current validation to complete.

ESWP140I | CGRS140I | FMMS140I | SCFS140I

*(rrrrr) SWAP of group gggggggg already in progress, request ignored.*
**Cause**
A SWAP or VALIDATE has been requested for the indicated group \( gggggggg \). However the group is already being swapped.

**Action**
None.

**ESWP141I | CGRS141I | FMMS141I | SCFS141I**

\( rrrrr \) SWAP of group \( gggggggg \) is pending validation completion.

**Cause**
A SWAP has been requested for the indicated group \( gggggggg \). However, the group is currently being validated. The swap will commence after the validation is completed.

**Action**
None.

**ESWP142I | CGRS142I | FMMS142I | SCFS142I**

\( rrrrr \) Revalidation on SWAP of group \( gggggggg \) ignored, validation is currently in progress.

**Cause**
A SWAP with validation has been requested for the indicated group \( gggggggg \). However the group is currently being validated. The swap will commence after the validation is completed.

**Action**
None.

**ESWP143E | CGRS143E | FMMS143E | SCFS143E**

\( rrrrr \) VALIDATE of group \( gggggggg \), ID \( xxxxx \) could not be done, task is busy.

**Cause**
A VALIDATE request could not be processed for the indicated group \( gggggggg \), as the swap manager task is busy.

**Action**
Reissue the command.

**ESWP144E | CGRS144E | FMMS144E | SCFS144E**

\( rrrrr \) No group \( gggggggg \) found for validate request.

**Cause**
A VALIDATE request could not be processed for the indicated group \( gggggggg \) as the group is not defined.
Action
Use the DEFINE GROUP operator command to define the group or specify the VALIDATE command with a defined group again. Currently defined groups may be displayed using the DISPLAY GROUP * operator command.

ESWP145E | CGRS145E | FMMS145E | SCFS145E

(rrrr) SWAP of group gggggggg, ID xxxxx could not be done, task is busy.

Cause
A SWAP request could not be processed for the indicated group (ggggggggg), as the swap manager task is busy.

Action
Reissue the command.

ESWP146E | CGRS146E | FMMS146E | SCFS146E

(rrrr) No group gggggggg found for SWAP request.

Cause
A SWAP request could not be processed for the indicated group (ggggggggg) as the group is not defined.

Action
Use the DEFINE GROUP operator command to define the group or specify the SWAP command with a defined group again. Currently defined groups may be displayed using the DISPLAY GROUP * operator command.

ESWP147E | CGRS147E | FMMS147E | SCFS147E

Group gggggggg, ID xxxxx has already been defined in the same request sequence.

Cause
A DEFINE GROUP request for the indicated group (ggggggggg) has already been processed previously in the current input EMCPARMS DD file.

Action
Remove the duplicate DEFINE and restart AutoSwap or issue the SET PARMS operator command to reread the EMCPARMS DD file.

ESWP148W | CGRS148W | FMMS148W | SCFS148W

Group gggggggg, ID xxxxx has already been defined and replace has not been specified.
Cause
A DEFINE GROUP request for the indicated group (gggggggg) cannot replace an existing group definition unless REPLACE is also specified.

Action
If the new DEFINE is to replace an existing group definition, specify REPLACE.

ESWP149W | CGRS149W | FMMS149W | SCFS149W

Group gggggggg, ID xxxxx cannot be replaced as it is active.

Cause
A DEFINE GROUP request for the indicated group (gggggggg) cannot replace an existing group definition as the group is active.

Action
If the new DEFINE is to replace an existing group definition, DELETE the current group and reissue the DEFINE command.

ESWP150I | CGRS150I | FMMS150E | SCFS150E

rrrrrrrr request has been accepted with ID xxxxx.

Cause
The indicated request (rrrrrrrr) has been accepted for processing with the request sequence number ID (xxxxxx). Any subsequent messages relating to this request will be appended with the ID.

Action
None.

More Information
Verbose Level: 10

ESWP151I | CGRS151I | FMMS151I | SCFS151I

(rrrr) Group gggggggg, ID xxxxx has been scheduled for validation.

Cause
The indicated group (gggggggg) has been scheduled for validation.

Action
None.

ESWP152I | CGRS152I | FMMS152I | SCFS152I

(rrrr) Group gggggggg, ID xxxxx has been scheduled for SWAP.

Cause
The indicated group (gggggggg) has been scheduled for swap.
**ESWP153W | CGRS153W | FMMS153W | SCFS153W**

(rrrrr) Group gggggggg, volser xxxx could not be found.

**Cause**
A specific volser has been specified in the indicated group (gggggggg) DEFINE INCLUDE list. However, the volser cannot be located.

**Action**
Specify a valid specific volser or use masking to define the volser.

**ESWP154E | CGRS154E | FMMS154E | SCFS154E**

(rrrrr) No group gggggggg found for delete request.

**Cause**
A DELETE request could not be processed for the indicated group (gggggggg) as the group is not defined.

**Action**
Specify the DELETE command with a defined group. Currently defined groups may be displayed using the DISPLAY GROUP * operator command.

**ESWP155I | CGRS155I | FMMS155I | SCFS155I**

(xxxx) The following have been scheduled for termination:

<table>
<thead>
<tr>
<th>Group</th>
<th>ID</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>gggggggg</td>
<td>rrrrr</td>
<td>sssssss</td>
</tr>
</tbody>
</table>

**Cause**
A DELETE request for the indicated groups (gggggggg) has been scheduled. The group ID is indicated by rrrrr and its current status by sssssss. For valid status values, refer to message ESWP162I | CGRS162I | FMMS162I | SCFS162I. The total number of groups processed is indicated by the summary line nnnnn.

**Action**
None.

**ESWP156E | CGRS156E | FMMS156E | SCFS156E**

SET PARMS command is not allowed within the EMCPARMS file.

**Cause**
A SET PARMS request has been specified in the EMCPARMS DD file. This command is not valid in this file.
Action
Remove the SET PARMS request and restart AutoSwap or issue the SET PARMS as an operator command.

**ESWP157E | CGRS157E | FMMS157E | SCFS157E**

Group gggggggg include CUU range not valid: ERR: llll-uuuu Low CUU > High CUU...

**Cause**
The indicated DEFINE GROUP INCLUDE specification of device ranges is not valid. Each device range in error is indicated by the ERR line. The low device in the range cannot be greater than the high device.

**Action**
Change the device range to be valid.

**ESWP158E | CGRS158E | FMMS158E | SCFS158E**

Group gggggggg exclude CUU range not valid.

**Cause**
The indicated DEFINE GROUP EXCLUDE specification of device ranges is not valid. Each device range in error is indicated by the ERR line. The low device in the range cannot be greater than the high device.

**Action**
Change the device range to be valid.

**ESWP159I | CGRS159I | FMMS159I | SCFS159I**

(rrrrr) Re-processing of EMCPARMS has been scheduled.

**Cause**
A SET PARMS operator command has been accepted. The actual processing of the parameters is done asynchronously to the request.

**Action**
None.

**ESWP160E | CGRS160E | FMMS160E | SCFS160E**

(rrrrr) EMCPARMS re-processing has already been scheduled.

**Cause**
A SET PARMS operator command has been entered; however, a current SET PARMS request has already been accepted and scheduled.

**Action**
If a subsequent SET PARMS is required, reissue the command.
EMCPARMS processing failed, xxxx requests rejected in request sequence.

Cause
An error has occurred during the processing of the CONFIGCA DD. Additional messages are produced to indicate the reason for the failure. All requests up to the failing request are not processed and are rejected.

Action
Examine other messages that indicate the reason for the failure and update CONFIGCA DD file. Restart AutoSwap or issue the SET PARMS operator command.

<table>
<thead>
<tr>
<th>Group</th>
<th>ID</th>
<th>Owning System Host</th>
<th>Defined</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>gggg</td>
<td>xxxx</td>
<td>hhhh</td>
<td>mm/dd/yy</td>
<td>sssssss</td>
</tr>
<tr>
<td>aaiaa</td>
<td></td>
<td>[oooooooooooooooooooo]</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Groups Matched : t1
[Line count too small. No groups displayed.]

Cause
This message is output as a result of a DISPLAY GROUP command. Where the number of lines is limited by a specified, or defaulted, line count, the 'More ...' indicator is displayed. If the specified, or defaulted, line count value is smaller than the minimum number of lines required to produce coherent output, the 'Line count is too small. No groups displayed' line is displayed.

The following fields display in this message:

nn
The part number of the message where the message is output in multiple messages. If the complete message cannot be output in a single MLWTO then the message will be output in multiple parts. The part number is not displayed on the first part.

ggggggggg
Group name.

xxxxx
Group request ID.

hhhh
Owning host name (the host where the DEFINE or SWAP was originally requested).

xxxxxxxxxxxxxxxxxx
Owning host identifier for the host name. This is defined by the EMCSCF Cross System Communication component which this AutoSwap is using. The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides further information about EMCSCF. If the group is owned by this AutoSwap then 'Group owner' is placed in this field.

`mm/dd/yy hh:mm:ss`

Date/time of group definition. This is output as a GMT value. If this is not the group owner then this is the time as which the group was originally defined on the owning host.

`ssssssss`

Current group status:

- **Swap**: Group is currently being swapped.
- **Validate**: Group is currently being validated.
- **ProcEntr**: Individual devices within the group are being specifically processed (either swapped or validated). Issue the DISPLAY GROUP `gggggggg DETAIL` command to examine the individual status.
- **Idle**: A previous validate or swap command was entered and that processing completed. The group is still active and further processing may be initiated on the group.
- **Inactive**: A previous DEFINE GROUP command has been entered for the group. No validation or swap processing has been requested of this group.
- **Backout**: The group is currently being backed out as an error has occurred during the swap processing. This is only displayed where BYGROUP is specified for the swap control options.

`aaaa`

Any alerts applicable to this group:

- **GRPINV**: This is a group defined as SWAPCNTL=BYGROUP. However, a prior validation failure will disallow the group being swapped without first being validated (VALIDATE GRP operator command). An additional character may follow the GRPINV value to indicate the reason:
  - **GRPINVS**: An alternate subchannel set configuration issue has occurred
  - **GRPINVX**: The group has been marked invalid on another LPAR
- **DISABLD**: Swap processing has been DISABLEd for this group as a result of a SETSWAP DISABLE command.

`oooooooooooooooooooo`

The group owner. This is set to indicate the definition owner of the group where the group was internally defined by another software product.

`t1`

Total number of groups selected and displayed (limited by the GROUP and LINECOUNT specification) in this processing.

**Action**

None.
AutoSwap Default Options:

Group: gggggggg, ID: rrrrr, AutoSwap options:

- AllowCoupleDataSets|NoAllowCoupleDataSets
- AllowConcurrentCopy|NoAllowConcurrentCopy
- AllowOnlineToDevice|NoAllowOnlineToDevice
- AllowSnapSession|NoAllowSnapSession
- AllowSystemsCountMismatch|NoAllowSystemsCountMismatch
- CFW=No|Off|Resume|Ignore|Allow|OffValidation
- ChangeSourceDevice=NRDY|NoNRDY|NRDYAfter [<- Forced by VolumePrefix]

VolumePrefix=vv|NoVolumePrefix

[Force=[LostSystem]
[NoLink]]

[LostOwnerPolicy Onswap= None|Backout|HoldIO|Operator|SystemReset (xwaitcode)]

MAXRC=xxxxxxxxxx

[Prevalidate|NoPrevalidate
ProcessCount=ppp
QuiesceTimeout=MIH|ggggggq sec.
Retain=[SwapCmplt]|NoRetain
RouteMessageToOwner=ALL|WARN|ERROR| NoRouteMessageToOwner
SwapControl=ByDevice|ByRange|ByGroup
SwapImmediate|NoSwapImmediate
[UnplannedConditions=[InterventionRequired][NoPaths]]
[UnplannedOptions=FBAUserNrdy]
[ValidateInterval=wwwwwwww sec.]
[VolserCheck|NoVolserCheck]

[CrossSystemTimeout=yyyyyyyy sec.]

Global Options:

- Debug|NoDebug
- Verbose level vvv|NoVerbose
- Trace EID x’eee’, FID x’ff’ (AMDUSRff)[, SCF]|NoTrace

AutoSwap Startup Parameters:

SUBname=ssss

[More ]

Groups Matched : t1

[Line count too small. No groups displayed.]

Cause
Output as a result of a DISPLAY SDASOPTIONS (SOPT), OPTIONS (OPT), GLOBALOPTIONS (GOPT) or STARTPARMS (SPARMS) command to reflect the defaulted and specified startup options. Where the DISPLAY GRP SOPT|OPT command is used, the output is presented by group (gggggggg) and ID (rrrrr). In this case the GLOBALOPTIONS (GOPT) or STARTPARMS (SPARMS) values are not displayed.

The SOPT values are additionally displayed when a SET SOPT command is used, and when a SWAP or VALIDATE request is processed. Where the number of lines is limited by a specified, or defaulted, line count then the "More" indicator is displayed. If the specified, or defaulted, line count value is smaller than the minimum number of lines required to produce coherent output then the Line count too small. No groups displayed line is displayed.

nnn

The part number of the message where the message is output in multiple messages. If the complete message cannot be output in a single MLWTO then the message will be output in multiple parts. The part number is not displayed on the first part.
Total number of groups selected and displayed (limited by the GROUP and LINECOUNT specification) in this processing.

Action
None.

ESWP164E | CGRS164E | FMMS164E | SCFS164E

(rrrr) No group gggggggg found for DISPLAY request.

Cause
A DISPLAY request could not be processed for the indicated group (gggggggg) as the group is not defined.

Action
Reenter the command with a valid group name. All Currently defined groups may be displayed using the DISPLAY GROUP * operator command.

ESWP165I | CGRS165I | FMMS165I | SCFS265I

(rrrr) DEBUG already active.

Cause
A SET DEBUG command was entered, however DEBUG is already set. The current global options can be displayed using the DISPLAY GOPT command.

Action
None.

ESWP166I | CGRS166I | FMMS166I | SCFS166I

(rrrr) DEBUG has been activated.

Cause
A SET DEBUG command was entered. Debug output will now be produced by AutoSwap. Note that a large amount of output could be generated by this option. Only use SET DEBUG on instruction from Dell EMC Customer Support.

Action
None.

ESWP167I | CGRS167I | FMMS167I | SCFS167I

(rrrr) DEBUG already inactive.

Cause
A SET NODEBUG command was entered. However, NODEBUG is already set. You can display the current global options using the DISPLAY GOPT command.
**ESWP168I | CGRS168I | FMMS168I | SCFS168I**

(rrrr) DEBUG is now inactive.

**Cause**
A SET NODEBUG command was entered. Debug output will no longer produced by AutoSwap.

**Action**
None.

**ESWP169I | CGRS169I | FMMS169I | SCFS169I**

(rrrr) Group gggggggg has replaced ID xxxxx

**Cause**
A DEFINE GROUP gggggggg REPLACE command was entered. The group indicated by ID xxxxx has been terminated as it was the same name.

**Action**
If the group was not to be terminated and replaced, the REPLACE option should not be specified.

**ESWP170I | CGRS170I | FMMS170I | SCFS170I**

(rrrr) Group gggggggg has been defined successfully

**Cause**
A DEFINE GROUP command or swap request was processed. Additional text in one of the following formats may display to provide more information:

Internal request from host hhhh (xxxxxxxxxxxxxxxxxxx), via ctrl# ccccc.

A cross system request has been received from host hhhh to define this group. The host ID (xxxxxxxxxxxxxxxxxxx) indicates the EMCSCF known host identifier for that host. This is defined by the EMCSCF Cross System Communication component. Communication from this host was through storage system ccccc. This would normally be the storage system of a TO device contained in the group. Additional processing for this group will be from that host.

An immediate swap has been initiated.

SWAPIMMEDIATE was specified for the group.

Swap has been scheduled to follow pre-validation.

SWAPIMMEDIATE with PREVALIDATE was specified for the group. When the validation completes (successfully according to the MAXRC specification), the swap will be performed.

Pre-validation has been initiated.
PREVALIDATE was specified for the group.

**Action**
None.

### ESWP171I | CGRS171I | FMMS171I | SCFS171I

<table>
<thead>
<tr>
<th>(rrrr) CAPS already active.</th>
</tr>
</thead>
</table>

**Cause**
A SET CAPS command was entered, however CAPS is already set.

**Action**
None.

### ESWP172I | CGRS172I | FMMS172I | SCFS172I

<table>
<thead>
<tr>
<th>(rrrr) CAPS has been activated.</th>
</tr>
</thead>
</table>

**Cause**
A SET CAPS command was entered. All messages will be converted to uppercase. To deactivate this option, specify SET NOCAPS.

**Action**
None.

### ESWP173I | CGRS173I | FMMS173I | SCFS173I

<table>
<thead>
<tr>
<th>(rrrrr) CAPS already inactive.</th>
</tr>
</thead>
</table>

**Cause**
A SET NOCAPS command was entered; however, NOCAPS is already set.

**Action**
None.

### ESWP174I | CGRS174I | FMMS174I | SCFS174I

<table>
<thead>
<tr>
<th>(rrrrr) CAPS is now inactive.</th>
</tr>
</thead>
</table>

**Cause**
A SET NOCAPS command was entered. All messages will be mixed case. To activate capitalization, specify SET CAPS.

**Action**
None.
AutoSwap Initialization complete.

**Cause**
AutoSwap has initialized successfully.

**Action**
None.

AutoSwap cannot initialize with EMCSCF Cross System Communication, EMCSCF is not active.

**Cause**
AutoSwap is attempting to initialize with the EMCSCF Cross System Communication (CSC) component; however, SCF is not active. SCF must be active to enable AutoSwap to swap shared devices.

**Action**
Start EMCSCF. AutoSwap automatically detects the startup of EMCSCF and establishes a 'listener' with the CSC.

**Note**
The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide describes the procedure for starting EMCSCF and enabling the CSC.

AutoSwap cannot initialize with EMCSCF Cross System Communication, another AutoSwap is using the same EMCSCF on this host.

**Cause**
AutoSwap is attempting to initialize with the EMCSCF Cross System Communication (CSC) component; however, another AutoSwap has already established a 'listener' with the CSC.

**Action**
Issue the EMCSCF command CSC,DISPLAY,LISTEN to determine if the AutoSwap using the CSC is still active. If a previous occurrence of AutoSwap has not correctly cleaned up, EMCSCF must be restarted.

If multiple copies of AutoSwap are to be run on the same system, additional EMCSCF servers must be started. Use the SCF$nnnn specification on the AutoSwap PROC to relate AutoSwap to this EMCSCF server.

**Note**
The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide describes EMCSCF and CSC.
**ESWP178E | CGRS178E | FMMS178E | SCFS178E**

AutoSwap cannot be initialized, EMCSCF failed RC/RS xxxxxxxx/xxxxxxx.

**Cause**
An internal error has been detected in EMCSCF.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**ESWP179I | CGRS179I | FMMS179I | SCFS179I**

(rrrrr)(PID pppppp) xxxxxxxxxx scheduled 'FROM'/'TO' ffff/yyyy from host hhhh (xxxxxxxxxxxxxxxx)

**Cause**
A SWAP or VALIDATE request has been scheduled from host hhhh for the indicated FROM/TO (ffff/yyyy) pair.

The 'FROM'/'TO' devices (ffff/yyyy) are displayed as follows:

cccccc,ssssssss is the format used where an MVS device number (ccuu) could not located. ccccc is storage system serial number, ssssssss is the PowerMax/VMAX device number. The leading 2 digits are suppressed when zero.

ccuu is the format used where an MVS device number was located.

The host id (xxxxxxxxxxxxxxxx) indicates the EMCSCF known host identifier for that host. This is defined by the EMCSCF Cross System Communication component. For further information on EMCSCF, refer to the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide.

**Action**
None.

**More Information**
Verbose Level: 1

**ESWP180E | CGRS180E | FMMS180E | SCFS180E**

(rrrrr)(PID pppppp) EMCSCF is not active, cannot respond to host hhhh (xxxxxxxxxxxxxxxx).

**Cause**
A SWAP or VALIDATE request has been scheduled from host hhhh however a response to that host cannot be communicated as EMCSCF is no longer active.

The host ID (xxxxxxxxxxxxxxxx) indicates the EMCSCF known host identifier for that host. This is defined by the EMCSCF Cross System Communication component.
**ESWP181E | CGRS181E | FMMS181E | SCFS181E**

(rrrrr)(PID ppppp) error responding to host hhhh (xxxxxxxxxxxxxxxx),
[eeeee]e[[RC/RS xxxxxxx/yyyyyy].

**Cause**
A SWAP or VALIDATE request has been scheduled from host hhhh, however, a response to that host cannot be communicated as SCF has failed as per the explanation (eeeeeee) or with the indicated return code (xxxxxxxx) and reason (yyyyyy) if this is an internal error.

The host ID (xxxxxxxxxxxxxxxx) indicates the SCF known host identifier for that host. This is defined by the SCF Cross System Communication (CSC) component. The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides a description of SCF. Explanations returned in eeeeee may be as follows:

- **No CSC gatekeeper**
  The SCF CSC component has no access to perform communication. A gatekeeper is required to perform this communication. Examine the SCF JOB log and z/OS SYSLOG to determine why the CSC component has no gatekeeper access. Refer to the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide for details on defining CSC gatekeepers.

- **CSC not supported**
  The CSC component is not supported on the currently executing version of SCF. Ensure that SCF is at level 5.4 or later.

- **Listener already active**
  AutoSwap is already active on this host.

- **Request no longer valid**
  A previously messaged request with the CSC component is no longer valid. Either the request has timed out or SCF was restarted.

- **EMCSCF is not active**
  SCF must be active for AutoSwap processing. Start SCF.

- **CSC is not active**
  The SCF CSC component must be active for AutoSwap processing. The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides more details about activating the CSC component.

**Action**
Check to see if SCF is active. If it is active, check to see if there are any additional messages produced by SCF or the CSC component in the SCF JOB log or the z/OS SYSLOG to describe the reason for the failure. The SCF CSC command CSC,DISPLAY HOSTS may be issued to ensure that the CSC component is active.

Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.
If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESWP182E | CGRS182E | FMMS182E | SCFS182E

**(rrrr)(PID ppppp) EMCSCF is not active.**

**Cause**
A SWAP or VALIDATE request cannot be properly completed as EMCSCF is not active.

**Action**
Restart EMCSCF.

**Note**
The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides a description of EMCSCF.

ESWP183E | CGRS183E | FMMS183E | SCFS183E

**(rrrr)(PID ppppp) EMCSCF CSC RETRIEVE error, [eeeeeeee] | [RC/RS xyyyyyyyy].**

**Cause**
An internal error has occurred with the EMCSCF Cross System Communication (CSC) component. Message ESWP181E | CGRS181E | FMMS181E | SCFS181E provides details about the explanations (eeeeeeee) returned by this message.

**Action**
Check to see if EMCSCF is active. If it is active, check to see if there are any additional messages produced by EMCSCF or the CSC component in the EMCSCF JOB log or the z/OS SYSLOG to describe the reason for the failure. The EMCSCF CSC command CSC,DISPLAY HOSTS may be issued to ensure that the CSC component is active. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESWP184E | CGRS184E | FMMS184E | SCFS184E

**(rrrr)(PID ppppp) EMCSCF CSC SIGNAL error, cntrl# ccccc [eeeeeeee] | [RC/RS xyyyyyyyy].**

**Cause**
An error has occurred with the EMCSCF Cross System Communication (CSC) component through the indicated storage system (ccccc). Message ESWP181E | CGRS181E | FMMS181E | SCFS181E provides details on explanations (eeeeeeee) returned by this message. In particular, ensure that the CSC has a gatekeeper available on the indicated storage system (ccccc). This may be verified using the EMCSCF operation command CSC,DISPLAY HOSTS CNTRL(ccccc).
**Action**

Check to see if EMCSCF is active. If it is active, check to see whether there are any additional messages produced by EMCSCF or the CSC component in the EMCSCF JOB log or the z/OS SYSLOG to describe the reason for the failure. The EMCSCF CSC command CSC,DISPLAY HOSTS may be issued to ensure that the CSC is active. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESWP185E | CGRS185E | FMMS185E | SCFS185E**

(rrrrr) (PID ppppp) EMCSCF CSC error during checkpoint processing, [cntrl# ccccc] [eeeee] [RC/RS xxxxxxx/yyyyyy].

**Cause**

An error has occurred with the EMCSCF Cross System Communication (CSC) component. If a storage system # is displayed (cccccc), the error was through this storage system. Message ESWP181E | CGRS181E | FMMS181E | SCFS181E provides details about the explanations (eeeee) returned by this message. In particular ensure, that the CSC has a gatekeeper available on the indicated storage system (cccccc). This may be verified using the EMCSCF operation command CSC,DISPLAY HOSTS CNTRL(ccccc).

**Action**

Check to see whether EMCSCF is active. If it is active, check to see whether there are any additional messages produced by EMCSCF or the CSC component in the EMCSCF JOB log or the z/OS SYSLOG to describe the reason for the failure. The EMCSCF CSC command CSC,DISPLAY HOSTS may be issued to ensure that the CSC is active. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESWP186E | CGRS186E | FMMS186E | SCFS186E**

(rrrrr) (PID ppppp) Checkpoint nerror, release received before synch.

**Cause**

An internal error has occurred between AutoSwap hosts during a cross system swap. AutoSwap will back out the swap if the error cannot be resolved automatically.

**Action**

Check other messages to determine whether AutoSwap has resolved the problem. If not, review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESWP187W | CGRS187W | FMMS187W | SCFS187W

**Checkpoint waiting for request from host hhhh (xxxxxxxxxxxxxxxx) for ssssssss secs.**

**Cause**
Checkpoint processing is being delayed as no response has been received from host hhhh. The request rrrrrrrr indicates whether a 'synch' or 'release' request is expected.

The host ID (xxxxxxxxxxxxxxxx) indicates the EMCSCF known host identifier for that host. This is defined by the EMCSCF Cross System Communication component.

**Note**
The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides a description of EMCSCF.

**Action**
Examine the log on host hhhh to determine the reason for the delay. If the delay exceeds the time threshold for cross system swapping, a backout will be initiated.

ESWP188E | CGRS188E | FMMS188E | SCFS188E

**Checkpoint CrossSystemTimeout of ssssssss secs exceeded waiting for hhhh (xxxxxxxxxxxxxxxx).**

**Cause**
Checkpoint processing was delayed beyond the cross system timeout threshold (ssssssss). Owner host hhhh did not respond in this period of time. The swap processing will instigate the Lost Owner Policy set for this host. The host ID (xxxxxxxxxxxxxxxx) indicates the EMCSCF known host identifier for that host. This is defined by the EMCSCF Cross System Communication component.

**Note**
The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides more information.

**Action**
Examine the log on owner host hhhh to determine the reason for the delay failure. Where a large number of R2 to R1 devices is being swapped the CrossSystemTimeout value as indicated by ssssssss may need to be increased. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESWP189E | CGRS189E | FMMS189E | SCFS189E

(rrrr)(PID pppp) Checkpoint nn system count mismatch, expecting xxxx, got yyy.

**Cause**
The number of systems expecting to respond for a swap checkpoint did not match the required value. The swap fails and is backed out.

**Action**
Examine the log to determine the reason for the failure. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESWP190E | CGRS190E | FMMS190E | SCFS190E

AutoSwap cannot perform Cross System Communication, EMCSCF is not active.

**Cause**
AutoSwap has attempted to initialize with the EMCSCF Cross System Communication (CSC) component, however SCF is not active. SCF must be active to enable AutoSwap to swap shared devices.

**Action**
Start EMCSCF. AutoSwap automatically detects the startup of EMCSCF and establishes a listener with the CSC.

**Note**
The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide describes the procedure for starting EMCSCF and enabling CSC.

ESWP191E | CGRS191E | FMMS191E | SCFS191E

EMCSCF CSC RETRIEVE error RC/RS xxxxxxxx/xxxxxx.

**Cause**
An internal error has occurred with the EMCSCF Cross System Communication (CSC) component.

**Action**
Check to see whether EMCSCF is active. If it is active, check to see whether there are any additional messages produced by EMCSCF to describe the reason for the failure. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
Checkpoint nn sequence error while waiting for rrrrrrrr, got checkpoint mm.

**Cause**
An internal error has occurred between AutoSwap hosts during a cross system swap. AutoSwap will back out the swap if the error cannot be resolved automatically. The request rrrrrrrrr indicates whether a 'synch' or 'release' request was processed.

**Action**
Check other messages to determine whether AutoSwap has resolved the problem.
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

SWAP processing backout requested during checkpoint processing.

**Cause**
An error has occurred during the cross system swap.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

Checkpoint nn validation errors for hosts:

**Cause**
An error has occurred during the cross system swap. A list of hosts is displayed along with the error that was detected. Each line identifies the host (hhhh) and the host ID (xxxxxxxxxxxxxxxx). The host ID indicates the EMCSCF known host identifier for that host. This is defined by the EMCSCF CSC (Cross System Communication) component. The following is a list of the errors that may be displayed:

- hhhh (xxxxxxxxxxxxxxxx) : Error, ConGroup not active

A Consistency Groups product interaction error has occurred on this host. AutoSwap cannot locate a congroup in order to perform query processing.

- hhhh (xxxxxxxxxxxxxxxx) : Error, device invalid (cc)
An invalid device was detected by this host. Additional messages are produced on the host to indicate the reason for the failure. A diagnostic reason code (cc) is added to the message for Dell EMC error diagnosis.

```
hhhh (xxxxxxxxxxxxxxxxxx) : Error, duplicate group name defined
```

A duplicate group is defined for this host. Group names must be unique.

```
hhhh (xxxxxxxxxxxxxxxxxx) : Error, group marked invalid
```

During a planned swap event the indicated host has found an error with the group such that it has marked swap processing as not valid. AutoSwap processing does not continue swap processing when this condition occurs.

```
hhhh (xxxxxxxxxxxxxxxxxx) : Error, group not defined for planned swap
```

A planned swap event was requested, however the group was not defined on this host. A group revalidation must be performed by the owner host to allow the group to be defined.

```
hhhh (xxxxxxxxxxxxxxxxxx) : Error, group not owned by us
```

A duplicate group is defined for this host and is owned by another AutoSwap host. Group names must be unique.

```
hhhh (xxxxxxxxxxxxxxxxxx) : Error, invalid with ConGroup
```

A Consistency Groups product error was detected on this host.

```
hhhh (xxxxxxxxxxxxxxxxxx) : Error, precluded by ConGroup
```

During a planned or unplanned swap event when using a Consistency Groups defined CAX group, a Congroup event (probably a trip) occurred which has precluded the swap event.

In this case Congroup detected a write to an R1 which did not get replicated to the R2 due to a link failure. AutoSwap processing does not continue swap processing when this condition occurs.

```
hhhh (xxxxxxxxxxxxxxxxxx) : Error, processing not active
```

During a planned swap event, the indicated host is not processing a swap of the group. This could be due to an internal or communication error. AutoSwap processing does not continue swap processing when this condition occurs.

```
hhhh (xxxxxxxxxxxxxxxxxx) : Error, same device swap active outside group
```
A swap for this device is already being processed from another group. This might be in this AutoSwap or another AutoSwap on this host.

```
hhhh (xxxxxxxxxxxxxxxx) : Error, VALIDATE still in progress
```

During a planned swap event, the indicated host is still processing a validation of the group at the time the first checkpoint. AutoSwap processing does not continue swap processing when this condition occurs.

```
hhhh (xxxxxxxxxxxxxxxx) : Error, VOLSER mismatch
```

A volume serial mismatch was detected. Refer to message ESWP023E | CGRS023E | FMMS023E | SCFS023E on the host indicated to determine the device in error.

**Action**

Check other messages on the indicated hosts to determine the reason for the failure. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. Failure cannot be determined, call the Dell EMC Customer Service Support Center for assistance.

**ESWP195I | CGRS195I | FMMS195I | SCFS195I**

```
(rrrr) (PID ppppp) Cross system host status:
```

**Cause**

Informational message produced as a result of VERBOSE or generated to describe additional information for an error or warning message. Each line identifies the host (hhhh) and the host ID (xxxxxxxxxxxxxxxx). The host ID indicates the EMCSCF known host identifier for that host. This is defined by the EMCSCF CSC (Cross System Communication) component. The following is a list of errors that may be displayed:

```
hhhh (xxxxxxxxxxxxxxxx) : Device valid, explanation
```

```
hhhh (xxxxxxxxxxxxxxxx) : *Device valid, explanation
```

The device is valid on the host. An '*' is indicated where one or more AutoSwap on the same host is also processing the same device or group. Only one of these will perform the actual swap of the device(s).

Further information is supplied by explanation:

- **RS xx**  
  Processing completed successfully. RS xx indicates additional diagnostic information.

- **high priority swap device**  
  Processing completed successfully for a high priority swap device.

- **paging device**  
  Processing completed successfully for a paging device as part of a z/OS Migrator migration.

- **cannot access all controllers**  
  Processing completed successfully; however, the host does not have access to all storage systems in the AutoSwap group.
lost access to 'FROM' device
Processing completed successfully; however, access to the FROM device cannot be established. This could indicate that the storage system has lost channel connectivity or the FROM device has become boxed.

A Consistency Groups product interaction error has occurred on this host. AutoSwap cannot locate a congroup in order to perform query processing.

An invalid device was detected by this host. Additional messages are produced on the host to indicate the reason for the failure. A diagnostic reason code (cc) is added to the message for Dell EMC error diagnosis.

A duplicate group is defined for this host. Group names must be unique.

During a planned swap event the indicated host has found an error with the group such that it has marked swap processing as not valid. AutoSwap processing does not continue swap processing when this condition occurs.

A planned swap event was requested, however the group was not defined on this host. A group revalidation must be performed by the owner host to allow the group to be defined.

A duplicate group is defined for this host and is owned by another AutoSwap host. Group names must be unique.

A Consistency Groups product error was detected on this host.

During a planned or unplanned swap event when using a Consistency Groups defined CAX group, a Congroup event (probably a trip) occurred which has precluded the swap event. In this case Congroup detected a write to an R1 which did not get
replicated to the R2 due to a link failure. AutoSwap processing does not continue swap processing when this condition occurs.

```

hhhh (xxxxxxxxxxxxxxxxxx) : Error, processing not active
```

During a planned swap event, the indicated host is not processing a swap of the group. This could be due to an internal or communication error. AutoSwap processing does not continue swap processing when this condition occurs.

```

hhhh (xxxxxxxxxxxxxxxxxx) : Error, same device swap active outside group
```

A swap for this device is already being processed from another group. This might be in this AutoSwap or another AutoSwap on this host.

```

hhhh (xxxxxxxxxxxxxxxxxx) : Error, VALIDATE still in progress
```

During a planned swap event, the indicated host is still processing a validation of the group at the time the first checkpoint. AutoSwap processing does not continue swap processing when this condition occurs.

```

hhhh (xxxxxxxxxxxxxxxxxx) : Error, VOLSER mismatch
```

A volume serial mismatch was detected. Refer to message ESWP023E | CGRS023E | FMMS023E | SCFS023E on the host indicated to determine the device in error.

```

hhhh (xxxxxxxxxxxxxxxxxx) : RESERVE held on 'FROM' device
```

The device is valid on the host. In addition, a reserve is also held by this host for the 'FROM' device.

```

hhhh (xxxxxxxxxxxxxxxxxx) : RESERVE transferred
```

The device is valid on the host. In addition, a reserve which was on the device for this host was transferred to the 'TO' device.

```

hhhh (xxxxxxxxxxxxxxxxxx) : Warning, AutoSwap not active
```

EMCSCF and the Cross System Communication are active on the host, however AutoSwap is not active. If another AutoSwap is active on the same host then this can be ignored. However, if a cross system swap is to be performed then AutoSwap should be active on all hosts.

```

hhhh (xxxxxxxxxxxxxxxxxx) : Warning, 'FROM' device is not defined
```
The FROM device is not defined on the host. Either no UCB is defined for the device or EMCSCF has the device EXCLUDED. The swap will not be performed on the host.

```
 hhhh (xxxxxxxxxxxxxxxxxxx) : Warning, 'FROM' device is offline (bypassed)
```

The FROM device is not online on the host. The BYPASSOFFLINE keyword was specified on the AutoSwap options. The swap will not be performed on the host.

```
 hhhh (xxxxxxxxxxxxxxxxxxx) : Warning, 'FROM' device outline not defined
```

The FROM device appears to have an online path group defined for the host; however, the z/OS device number (CCUU) could not be resolved. Message ESWP585E | CGRS585E | FMMS585E | SCFS585E is issued for the device on the indicated host.

```
 hhhh (xxxxxxxxxxxxxxxxxxx) : Warning, 'FROM' device swap already done
```

The device swap has already been performed on the host. No more swap processing will be performed for the host.

```
 hhhh (xxxxxxxxxxxxxxxxxxx) : Warning, 'FROM' same device swap active in group
```

Another AutoSwap swap is currently being performed for the same device on another AutoSwap on this host. The swap will be performed by the other AutoSwap.

```
 hhhh (xxxxxxxxxxxxxxxxxxx) : Warning, request could not complete
```

The indicated host could not complete the request. The EMCSCF Cross System Communication component has detected that the host is no longer valid. Additional messages will have been produced by EMCSCF. If the host was required for a swap then the swap will fail and will backout.

```
 hhhh (xxxxxxxxxxxxxxxxxxx) : Request not completed
```

The request has not yet been completed by the host. After the request is complete then the next part of the processing can continue.

```
 hhhh (xxxxxxxxxxxxxxxxxxx) : Warning, request RC/RS, xx/yy
```

A return code has been returned by the EMCSCF Cross System Communication component that cannot be determined. If the host was required for a swap then the swap will fail and will backout.

```
 hhhh (xxxxxxxxxxxxxxxxxxx) : Warning, request timed out
```
A timeout has occurred during Cross System Communication. If the host was required for a swap then the swap will fail and will backout.

(--xxxxxxxxxxxx----) : Path group warning, prior condition

A path group is defined for the FROM device indicating that the device is online. However, the host cannot be identified or a prior condition occurred such that the device was not processed on that host. The host ID (xxxxxxxx) is as interpreted as follows:

ccxxxxxxxxx where, cc=CPU address or LPAR identifier (when in LPAR mode) and xxxxxxxxx = Machine type (model number).

This message indicates that a prior condition for the host (also in this message output) resulted in the device not being processed. The host may be located by hhhh (SMFID). Refer to prior host entries in this output to determine the reason.

???? (--xxxxxxxxxxxx----) : Path group warning, AutoSwap not found

A path group is defined for the FROM device indicating that the device is online. However, the host cannot be identified or a prior condition occurred such that the device was not processed on that host. The host ID (xxxxxxxx) is as interpreted as follows:

ccxxxxxxxxx where, cc=CPU address or LPAR identifier (when in LPAR mode) and xxxxxxxxx = Machine type (model number).

This message indicates that EMCSCF and the Cross System Communication component are not active on this host.

hhhh (--xxxxxxxxxxxx----) : Path group warning, owner host

A path group is defined for the FROM device indicating that the device is online. However, the host cannot be identified or a prior condition occurred such that the device was not processed on that host. The host ID (xxxxxxxx) is as interpreted as follows:

ccxxxxxxxxx where, cc=CPU address or LPAR identifier (when in LPAR mode) and xxxxxxxxx = Machine type (model number).

This message indicates that a path group warning has occurred on the group owner host. Prior messages are issued to indicate this condition

Action
Check other messages to determine if any additional action is required. See ESWP578W | CGRS578W | FMMS578W | SCFS578W.

Verbose Level: 3 for informational message processing. If an associated error or warning condition is displayed, then this message is not verbosed.

More Information
In the following example, AutoSwap is not active on host 0207919672 (SMFID Z02) and there is no EMCSCF with Cross Systems Communication (CSC) active on host 080D752064 (SMFID unknown):
ESWP520W (00008)(PID 00002) Cross system count mismatch possible; bypassed. Located 0002, unmatched 0002.

ESWP195I (00008)(PID 00002) Cross system host status:
Z06 (0106079196720051) : Warning, AutoSwap not active
Z02 (010207919672005A) : Warning, AutoSwap not active
Z06 (0106079196720028) : Warning, AutoSwap not active
Z02 (0102079196720046) : Warning, AutoSwap not active
Z02 (--0207919672----) : Path group warning, prior condition
???? (--080D752064----) : Path group warning, AutoSwap not found

ESWP292I (00008) Group PAGE2
Total Devices : 3
Valid : 3 Invalid : 0
Auto Swappable : 2 Auto Pending : 1
Swapped : 0 Failed Swap : 0
Offline : 1 Not Defined : 0

In the following example, the DISPLAY GROUP DETAIL FIND ! command is used to display the devices that had possible mismatches. In this example, devices 2EEF (PID 00001) and A057 (PID 00002) were responsible for this mismatch.

EMCP001I D GRP PAGE2 FIND ! DET
ESWP217I (00153)
Group:PAGE2, ID:00088, Mode:Idle
[TO device subchannel set; Active:[NONE|SSss ],Alternate:Sss ]
Creation Date (DD/MM/YY):07/15/06 Validation Date:07/15/06
PID Phase Volser| FROM/TO Device |Counts Status/
|Ty Devn CCA SSID Symd Ctrl# RG |Sys Pth Mode
----- ----- ------+-- ---- --- ---- ------ -----+--- --- --------
8 PALPG1|R1 02EEF EF 02C02 0003F9 90034 12|002!002 AutoAble
|R2 12ADF DF 12802 000438 90072 21 |Idle
00002 8 UWC0B7|R1 0A057 57 0A000 0000B7 000045 001002003 AutoAble
|R2 19857 57 19800 0000B7 00058 00| Idle

Total Group Devices : 3
Selected : 2 Find Excluded : 1
Valid : 3 Invalid : 0
Auto Swappable : 2 Auto Pending : 1
Swapped : 0 Failed Swap : 0
Offline : 1 Not Defined : 0

Groups Matched : 1

ESWP196W| CGRS196W | FMMS196W | SCFS196W

(rrrrr)(PID ppppp) rrrrrrrr waiting xxxx secs for hosts.

**Cause**

Informational message indicating that hosts have not responded to a VALIDATE or SWAP request. See message ESWP195I | CGRS195I | FMMS195I | SCFS195I for possible formats following this message.

**Action**

Check other messages to determine whether any additional action is required. If the hosts that have not responded in a time that exceeds the cross system timeout period, the swap will backout.
ESWP197W | CGRS197W | FMMS197W | SCFS197W

(rrrr)(PID ppppp) Checkpoint nn waiting xxxx secs for hosts.

Cause
Informational message indicating that hosts have not responded to a checkpoint request during swap processing. Message ESWP195I | CGRS195I | FMMS195I | SCFS195I describes the possible formats following this message.

Action
Check other messages to determine whether any additional action is required. If the hosts that have not responded exceed the cross system timeout period, the swap will backout.

ESWP198I | CGRS198I | FMMS198I | SCFS198I

(rrrr)(PID ppppp) Phase zz, cross system swap notification.

Cause
AutoSwap is performing the cross system SWAP notification as part of the indicated phase (zz). If this is the group owner and the PID represents a shared device, other hosts are involved in the processing.

Action
None.

More Information
Verbose level: 2

ESWP199I | CGRS199I | FMMS199I | SCFS199I

Cross system group gggggggg, ID xxxxx has been scheduled for termination by host hhhh (xxxxxxxxxxxxxxxx).

Cause
The group (gggggggg) owner indicated by host hhhh has scheduled termination of the group. Either validation or swap processing has completed, AutoSwap has shutdown on the host or the group has been deleted. The host ID (xxxxxxxxxxxxxxxx) indicates the EMCSCF known host identifier for that host. This is defined by the EMCSCF Cross System Communication component.

Note
The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides a description of EMCSCF.

Action
None.
ESWP200E | CGRS200E | FMMS200E | SCFS200E

(Crrrr) Could not obtain storage for device buffer.

**Cause**
An internal device table could not be obtained due to a private region shortage.

**Action**
Specify a larger REGION and restart AutoSwap.

ESWP201E | CGRS201E | FMMS201E | SCFS201E

(Crrrr) Group gggggggg, ID xxxxx is owned by host xxxx
(xxNNNNNNNNNNNNNN), CrossSystem must be specified.

**Cause**
A swap request was entered for a group owned by another host. The host ID
(xxNNNNNNNNNNNNNN) indicates the EMCSCF known host identifier for that host. This is
defined by the EMCSCF Cross System Communication component.

**Note**
The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide
provides a description of EMCSCF.

**Action**
If the processing is to be performed by this host, specify the Cross System (XSYS)
option on the SWAP command.

ESWP202E | CGRS202E | FMMS202E | SCFS202E

(Crrrr) Group gggggggg, ID xxxxx CrossSystem SWAP cannot be
performed, EMCSCF is not active.

**Cause**
A swap or validation request was entered for a group owned by another host and the
CROSSSYSTEM option was specified. However, EMCSCF is not active.

**Action**
Start EMCSCF.

**Note**
The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide
provides a description of EMCSCF and the CSC component.
**ESWP203E | CGRS203E | FMMS203E | SCFS203E**

(rrrr) Group gggggggg, ID xxxx CrossSystem SWAP cannot be performed, EMCSCF CSC RC/RS xxxxxxxx/yyyyyy.

**Cause**
An internal error has occurred with the EMCSCF Cross System Communication (CSC) component when a CROSSSYSTEM swap was requested.

**Action**
Check to see whether EMCSCF and the CSC component is active. If it is active, check to see whether there are any additional messages produced by EMCSCF to describe the reason for the failure. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

**Note**
The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides additional information about using EMCSCF and the CSC component.

If you cannot determine the cause of the failure, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.

**ESWP204E | CGRS204E | FMMS204E | SCFS204E**

(rrrr) Group gggggggg, ID xxxx SWAP scheduled to owning host hhhh (xxxxxxxxxxxxxxxx).

**Cause**
A cross system swap has been requested and scheduled to the owning host (hhhh). The host ID (xxxxxxxxxxxxxxxx) indicates the EMCSCF known host identifier for that host. This is defined by the EMCSCF Cross System Communication component.

**Action**
None.

**ESWP205I | CGRS205I | FMMS205I | SCFS205I**

(rrrr) VERBOSE level xxx already active.

**Cause**
A SET VERBOSE command was entered, however VERBOSE for the indicated level is already set. The current global options can be displayed using the DISPLAY GOPT command.

**Action**
None.
ESWP206I | CGRS206I | FMMS206I | SCFS206I

(rrrr) VERBOSE level xxx has been activated.

**Cause**
A SET VERBOSE command was entered. VERBOSE is now active.

**Note**
Large amounts of output could be produced depending on the verbose level selected.

**Action**
None.

ESWP207I | CGRS207I | FMMS207I | SCFS207I

(rrrr) VERBOSE already inactive.

**Cause**
A SET NOVERBOSE command was entered; however, NOVERBOSE is already set. The current global options can be displayed using the DISPLAY GOPT command.

**Action**
None.

ESWP208I | CGRS208I | FMMS208I | SCFS208I

(rrrr) VERBOSE is now inactive.

**Cause**
A SET NOVERBOSE command was entered. VERBOSE messages will no longer be written.

**Action**
None.

ESWP209W | CGRS209W | FMMS209W | SCFS209W

(rrrrr)(PID ppppp) EMCSCF cannot locate 'FROM' device UCB for [Sym]CCA]DV#/Ctrl#/SSID ssssssss/ccccc/iiii for a cross system request.

**Cause**
A device cannot be resolved for the indicated PowerMax/VMAX device number or CCA (ssssssss) on the indicated storage system (ccccc) and SSID (iiii). The device cannot be processed by this AutoSwap.

**Action**
If the device cannot be located because it is in the EMCSCF EXCLUDE list, and the device is to be processed, add the device to the EMCSCF INCLUDE list.
Note
The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide describes how to specify devices to EMCSCF.

ESWP210E | CGRS210E | FMMS210E | SCFS210E

(rrrr)(PID ppppp) Cross system validation has detected an error.

Cause
The device cannot be processed as another AutoSwap host has detected an error. Message ESWP|CGRS|FMMS|SCFS195I is also displayed to indicate which hosts detected the error.

Action
Message ESWP195I | CGRS195I | FMMS195I | SCFS195I provides further information.

ESWP211I | CGRS211I | FMMS211I | SCFS211I

(rrrr)(PID ppppp) CFW is active on 'FROM' device controller.

Cause
During validation processing, Cache Fast Write was detected as active on the FROM device storage system. CFW=NO or CFW=RESUME was specified on the AutoSwap options.

Action
None.

More Information
Verbose Level: 3

ESWP212I | CGRS212I | FMMS212I | SCFS212I

(rrrr)(PID ppppp) Checkpoint participation for non-SWAP device.

Cause
During swap processing, a condition was detected such that the device will not be swapped by this AutoSwap. For example, the device is offline and BYPOFFL was specified. However, checkpointing will still be performed to enable all hosts to be accounted for.

Action
None.

ESWP213E | CGRS213E | FMMS213E | SCFS213E

(rrrr)(PID ppppp) EMCSCF CSC RETRIEVE error, request timed out in waiting queue.
**Cause**
An error has occurred during cross system communication. A request made by this AutoSwap host has experienced a timeout before the EMCSCF CSC component could accept the request.

**Action**
Verify that EMCSCF and the Cross System Communication component is active. If it is active, check whether there are any additional messages produced by EMCSCF to describe the reason for the failure. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

**Note**
The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides details about using EMCSCF and the CSC.

If you cannot determine the cause of the error, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.

**ESWP214W | CGRS214W | FMMS214W | SCFS214W**

(rrrrr) (PID ppppp) No other AutoSwap systems active for cross system request.

**Cause**
AutoSwap attempted to perform a cross system communication action; however, no other AutoSwap systems could be located. This indicates that EMCSCF and the Cross System Communication component are not active on any other hosts.

**Action**
If a cross system swap is to be performed, start EMCSCF on the other hosts. The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides a description of EMCSCF and CSC.

**ESWP215E | CGRS215E | FMMS215E | SCFS215E**

(rrrrr) (PID ppppp) Checkpoint nntimed out in waiting queue.

**Cause**
An error has occurred during cross system communication. A checkpointing request made by this AutoSwap host has experienced a timeout before the EMCSCF Cross System Communication component could accept the request.

**Action**
Check to see if EMCSCF and the Cross System Communication component is active. If it is active, check to see whether there are any additional messages produced by EMCSCF to describe the reason for the failure. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

**Note**
The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides a description of EMCSCF and CSC.
If you cannot determine the cause of the error, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.

**ESWP216W | CGRS216W | FMMS216W | SCFS216W**

(rrrr) (PID ppppp) Checkpoint nn, no other AutoSwap systems active.

**Cause**

AutoSwap attempted to perform a cross system communication action; however, no other AutoSwap systems could be located during swap processing. This indicates that EMCSCF and the Cross System Communication component are not active on any other hosts.

**Action**

If a cross-system swap is to be performed, start EMCSCF on the other hosts. The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides a description of EMCSCF and CSC.

**ESWP217I | CGRS217I | FMMS217I | SCFS217I**

(rrrr) [continued, part(nn)]

| Group: ggggggg, ID: rrrrr, Mode: mmmmmmm aaaa [, Owner: ooooooo00000000] |
| [TO device subchannel set: Active:[NONE|SSs],Alternate:SSs] |
| Creation Date (DD/MM/YY): dd/mm/yy Validation Date: dd/mm/yy |
| Time (HH:MM:SS): hh:mm:ss |

[Cross system owner: hhhh (xxxxxxxxxxxxxxxxx)]

<table>
<thead>
<tr>
<th>PID</th>
<th>Phase Volser</th>
<th>FROM/TO Device</th>
<th>Counts</th>
<th>Status/Phase</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Group Devices: t1
Highest PID: t2
Missing Lines: t3
Selected: t4
Find Excluded: t5
Valid: t6
Invalid: t7
High Priority: t8
Paging Devs: t9
AutoOps Devs: t10
Auto Swappable: t11
Auto Pending: t12
Swapped: t13
Failed Swap: t14
Bypass Offline: t15
Bypass Swap: t16
Offline: t17
Not Defined: t18
FBA: t19
FBA Meta: t20
FBA Head: t21
Alternate SS: t22

Groups Matched: t23

[Line count too small. No groups displayed.]

**Cause**

Output as a result of a DISPLAY GROUP DETAIL command. When the number of lines is limited by a specified, or defaulted, line count, the 'More ...' indicator is displayed. If the specified, or defaulted, line count value is smaller than the minimum number of lines required to produce coherent output, the 'Line count too small. No groups displayed' line is displayed.

nn
The part number of the message where the message is output in multiple messages. If the complete message cannot be output in a single MLWTO then the message will be output in multiple parts. The part number is not displayed on the first part.

\begin{itemize}
\item \textit{gggggggg}
  \begin{itemize}
  \item Group name.
  \end{itemize}
\item \textit{xxxxxx}
  \begin{itemize}
  \item Group request ID.
  \end{itemize}
\item \textit{ooooooooooooooo}
  \begin{itemize}
  \item The group owner. This is set to indicate the definition owner of the group where the group was internally defined by another software product.
  \end{itemize}
\end{itemize}

\textbf{TO device subchannel set}

This header line is only displayed if there is at least one device pair in the group with an alternate subchannel set.

\textbf{Active: [NONE]|SSs}

The target subchannel set where the TO device is in the same subchannel set as the FROM device. NONE indicates that there are no TO devices in the same subchannel set as the FROM.

\textbf{Alternate: [SSs]}

The target subchannel set where the TO device is not in the same subchannel set as the FROM device.

\textbf{mm/dd/yy hh:mm:ss}

Date/time of group definition and last validation. These are output as a GMT value.

\textbf{Definition}

If this is not the group owner then this is the time as which the group was originally defined on the owning host.

\textbf{Validation}

This is the time the last validation started or completed. The started time is used when a validation is in progress. When a validation completes successfully then this time will be reported.

\begin{itemize}
\item \textit{hhhh}
  \begin{itemize}
  \item Owning host name (the host where the DEFINE or SWAP was originally requested).
  \end{itemize}
\item \textit{xxxxxxxxxxxxxxxx}
  \begin{itemize}
  \item Owning host identifier for the host name. This is defined by the EMCSCF Cross System Communication component which this AutoSwap is using. The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides further information about EMCSCF. If the group is owned by this AutoSwap then 'Group owner' is placed in this field.
  \end{itemize}
\item \textit{mmmmmmmmmmmm}
  \begin{itemize}
  \item Current group status:
  \item \textit{Swap}
    \begin{itemize}
    \item Group is currently being swapped.
    \end{itemize}
  \end{itemize}
\end{itemize}
Validate

Group is currently being validated.

ProcEntr

Individual devices within the group are being specifically processed (either swapped or validated). See nnnnnnnn for individual status.

Idle

A previous validate or swap command was entered and that processing completed. The group is still active and further processing may be initiated on the group.

Inactive

A previous DEFINE GROUP command has been entered for the group. However, no validation or swap processing has been requested of this group.

Backout

The group is currently being backed out as an error has occurred during the swap processing. This is only displayed where BYGROUP is specified for the swap control options.

aaaa

Any alerts applicable to this group:

GRPINV

This is a group defined as SWAPCNTL=BYGROUP. However, a prior validation failure will disallow the group being swapped without first being validated (VALIDATE GRP operator command).

DISABLD

Swap processing has been DISABLEd for this group as a result of a SETSWAP DISABLE command. For each device contained in the group. In general, the first line represents the FROM device and the second line represents the TO device. If the second line is not present, the TO device has not yet been validated or the TO device does not exist.

ppppPP qqqqqQ

The process ID representing this device pair. This is the same on all hosts for a cross system request. P indicates that the current PID is either a 'H'ead or a 'M'ember, where a BYRANGE swap is being performed. If the PID is a member of another swap PID, then the second display line qqqqqQ indicates the head PID to which it belongs. The head PID is the first device in a contiguous range of devices which will process all member devices as part of its processing.

aa

The current processing phase. -S follows the phase number to indicate that the phase has been suspended for the device. At various points in AutoSwap processing a phase may be suspended in order to allow all devices to be processed up to that phase prior to moving to the next phase. AutoSwap resumes processing for the device as the next phase after all other devices have been processed.

vvvvv wwwwwww

The FROM (vvvvv) and TO (wwwwww) volume serial. If the FROM and TO device have equal volsers then wwwwwww is not displayed.
- *?? ??* indicates that the devices have not yet been resolved.
- *UNKN* indicates that the devices are not defined on this LPAR (not genned) or were excluded in EMCSCF.
- *NRDY* indicates that the volume serial could not be determined due to an intervention condition. One possible cause is that the device is in a NRDY, RDF-NRDY or USR-NRDY state.
- *TMO* indicates that the volume serial could not be determined due to an I/O timeout condition. One possible cause is that the device was RESERVED by another host.
- *IOER* indicates that the volume serial could not be determined due to an I/O error. One possible cause is that the device was undergoing ICKDSF initialization processing.
- *FBA* indicates an FBA device.
- *FBAm* indicates an FBA meta member.
- *FBAh* indicates an FBA meta head.

**hh ii**
The FROM (hh) and TO (ii) SRDF type. Either R1 or R2 if the devices are SRDF-related or N1 or N2 where the devices are SRDF but not related.

- ?? indicates that the SRDF type has not yet been resolved.
- -- indicates that the devices are not SRDF

**sdddd seeee**
The FROM (sddd) and TO (eeee) z/OS device number (cuvu) as seen by this host.

- ?? ?? indicates that the device(s) have not yet been resolved.
- Ndef indicates the device(s) are not defined on this LPAR (not genned) or were excluded in EMCSCF. It is possible to have a FROM or TO device as being Ndef and still processed if the device status in mnnmmnnn indicates that the device is valid.

**ff gg**
The FROM (ff) and TO (gg) Channel Connection Address. This is the address as seen by the channel, and is the same as defined by the DEVSERV PATHS operator command. ?? indicates that the device(s) have not yet been resolved or the device is not defined to the current LPAR (not genned) or were excluded in EMCSCF. or was excluded from EMCSCF.

**llll mmmm**
The FROM (llll) and TO (mmmm) storage system subsystem ID. ?? indicates that the device(s) have not yet been resolved.

**ssss tttt**
The FROM (sddd) and TO (eeee) PowerMax/VMAX device number. This is the same on all LPARs.
- Indicates that the device(s) have not yet been resolved.
- Indicates that the device(s) are not part of a storage system.

**ccccc bbbbbb**
The FROM (ccccc) and TO (bbbbb) storage system ID. This is the same on all LPARs. Indicates that the device(s) have not yet been resolved.

**jj kk**
The FROM (jj) and TO (kk) storage SRDF group as a hex value. The following values indicate special conditions, these are only set until the actual SRDF group has been located for each of the partner devices:

**FE**
RDFGROUP=CONFDEV was specified for the group. This indicates that the partner device defined to this z/OS will be selected, where concurrent SRDF is active.

**FF**
RDFGROUP=FF was specified to indicate that concurrent SRDF is not expected on the devices in the group.

- The device(s) are not part of a storage system.

**xxx**
The number of systems indicating this device as valid. This value is only applicable on the group owner host. “N/A” will be displayed on non-owner hosts.

An additional '*' or '!' may follow this field. These indicators are normally only present on the group owner as it performs the path group match processing:

- A '*' is displayed following this field to indicate that an attempt has been made to contact other system AutoSwap's. This occurs where the device is shared on more than one host.
- A '!' is displayed following this field to indicate that a path group to system mismatch has been detected. This would indicate that the device is, or might be, online to more hosts than AutoSwap has access.

**yyy**
The number of non-disbanded path groups to the device. This indicates the number of z/OS images (LPARs) with this device online. “N/A” will be displayed on non-owner hosts where the count of path groups was not determined. Non-owner hosts only determine the path group count for particular devices, for example, high priority devices.

**nnnnnnnn**
The processing status for this device.

- Swapped
- SwappedHP

Device has swapped. HP indicates a high priority device. For example, a device containing page data sets.

- SwapFail
- SwapFailHP
Device swap was attempted but failed. HP indicates a high priority device. For example, a device containing page data sets.

- Valid
- ValidHP

Device is valid and may be swapped. HP indicates a high priority device. For example, a device containing page data sets.

- AutoAble
- AutoAbleHP

Device has been armed for processing by AutoSwap (unplanned swap) and the unplanned trigger installed. When one of the specified UnplannedConditions occurs for the device, it will swap automatically. HP indicates a high priority device. For example, a device containing page data sets.

- AutoPend
- AutoPendHP

Device has been armed for processing by AutoSwap (unplanned swap), however the device had been marked invalid by a previous validation attempt or swap processing has been disabled by a SWAPSET DISABLE operator command. AutoSwap will reevaluate the device at the conclusion of the group validation or, if the group is disabled, by the SWAPSET ENABLE operator command. If the group is not disabled this state does not prevent the device being swapped. However, this device will not be have an unplanned trigger for the UnplannedConditions event.

HP indicates a high priority device. For example, a device containing page datasets.

- Invalid
- InvalidHP

Device is invalid and cannot be swapped. HP indicates a high-priority device. For example, a device containing page datasets.

- Offline

Device is offline.

- NotDefined

The devices are not defined to the current LPAR (not genned) or were excluded in EMCSCF.

- NotAccess

The devices are not defined to the current LPAR (not genned) or were excluded in EMCSCF and they are not accessible. This would indicate that the device cannot be processed as there is no channel connection from this LPAR to the device storage system.

- Bypass

Device is being bypassed due to the BypassOfflineDevice specification. Details for the source and target device will only be partially displayed. This device is currently offline. Devices that are online and have been validated cross system to other AutoSwap hosts are never bypassed. If a previously bypassed device is varied online and then offline it will no longer be bypassed if the '*' or '!' indicator is also displayed (see xxx above). Bypass is only applicable on the owner host.
- **SwapByp**
  A swap request was processed, however this device was being bypassed due to the BypassOfflineDevice specification. See bypass above. This device is considered swap complete in this group even though no swap was performed.

- **OnlineNDef**
  The 'FROM' device is not defined to the current LPAR (not gened) or has been excluded in EMCSCF. However, AutoSwap found an online path group for the current LPAR. This could indicate that the device is online. See message ESWP585E | CGRS585E | FMMS585E | SCFS585E.

### Processing mode.

- **Val/Swap**
  Validation and swap is in progress.

- **Passive**
  Device is not swapping but is participating in the checkpointing. For example, the device could be offline and BYPOFFL was specified.

- **Swap**
  Swap is in progress.

- **Validate**
  Validate is in progress.

- **Sch V/S**
  Device is scheduled for validation followed by swap.

- **Sch Vald**
  Device is scheduled for validation.

- **Sch Swap**
  Device is scheduled for swap.

- **Idle**
  Device processing is not currently being performed.

- **Backout**
  Device backout processing is being performed due to a detected error condition.

At the completion of each group display, a set of totals is generated:

- **t1**
  Total device pairs defined in this group.

- **t2**
  Highest Process ID (PID column) defined for this group.

- **t3**
  Number of lines missing due to line count being exceeded. This is only output where lines are missing due to this condition.

- **t4**
Device pairs selected where a FIND or EXCLUDE was specified.

Device pairs excluded where a FIND or EXCLUDE was specified.

Total devices marked valid in this group.

Total devices marked invalid in this group.

Total devices marked as high priority in this group. Only displayed if the group contains high priority devices. These devices are swapped independently and with a higher priority than 'normal' devices. Devices marked as high priority normally have a processing status with HP appended.

Total high priority devices containing system page data sets. Only displayed if the group contains high priority devices.

Total high priority devices containing CA OPS/MVS OPSLOG or SYSCHK1 data sets. Only displayed if the group contains high priority devices.

Total devices marked as unplanned swappable (AutoAble; unplanned). Only displayed for CAX AutoSwap defined groups. These devices have an unplanned event trigger installed and will be automatically swapped on detection of a condition specified by UnplannedConditions.

Total devices marked as pending unplanned swappable (AutoPend; unplanned). Only displayed for CAX AutoSwap defined groups. These devices are similar to AutoAble except that the device does not have a unplanned trigger enabled.

Total devices marked as swapped in this group.

Total devices marked as failed swap in this group.

Total devices being bypassed due to the BypassOfflineDevice specification. Only displayed if devices are being bypassed and only by the group owner. If this count is displayed then the offline device count (t17) would normally be 0. However, if the offline device count (t17) is not 0, then this would indicate that a device which was previously online is now offline. See Bypass status above for further information.

Total devices bypassed by swap due to the BypassOfflineDevice specification. Only displayed if devices are have been bypassed and only by the group owner.

Total devices marked as offline in this group.
Total devices marked as not defined in this group. These are devices that are not accessible i.e. no UCB defined or excluded from SCF.

Total number of FBA devices including all FBA meta devices. Only displayed if FBA devices are contained in this group.

Total number of FBA meta devices including all FBA meta head and FBA meta members. Only displayed if FBA meta devices are contained in this group.

Total number of FBA meta devices including all FBA meta head and FBA meta members. Only displayed if FBA meta devices are contained in this group.

Total number of TO devices in the alternate subchannel.

Total number of groups selected (by the GROUP specification) in this processing.

Action
None.

ESWP218E | CGRS218E | FMMS218E | SCFS218E

(rrrr) Storage could not be obtained for display output.

Cause
A display buffer could not be obtained due to a private region shortage.

Action
Specify a larger REGION and restart AutoSwap.

ESWP219W | CGRS219W | FMMS219W | SCFS219W

(rrrr)(PID pppp) Checkpoint nn waiting cancelled due shutdown request from owning host hhhh (xxxxxxxxxxxxxxxx).

Cause
A swap was cancelled at the indicated checkpoint by the groups owning host hhhh. The host ID (xxxxxxxxxxxxxxxx) indicates the EMCSCF known host identifier for that host. This is defined by the EMCSCF Cross System Communication component.

Note
The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides a description of EMCSCF.

The swap will backout on this host.
Action
None.

ESWP220W | CGRS220W | FMMS220W | SCFS220W

(rrrr)(PID ppppp) Checkpoint nn waiting cancelled due IMMEDIATE shutdown request.

Cause
A swap was cancelled at the indicated checkpoint by a shutdown request on this host. This host is also the owner of the group. The swap will backout on this host. All other hosts participating in the swap will also terminate.

Action
None.

ESWP221I | CGRS221I | FMMS221I | SCFS221I

(rrrr)(PID ppppp) Checkpoint nn expected system count increased from xxxx to yyyy.

Cause
During swap processing the number of systems expected to participate in the swap increased from xxxx to yyyy. This is probably due to the device being varied online or AutoSwap being started on additional operating system images (LPARs). This host is also the owner of the group.

Action
None.

ESWP222W | CGRS222W | FMMS222W | SCFS222W

(rrrr)(PID ppppp) xxxxxxxxx waiting cancelled; IMMEDIATE shutdown request.

Cause
A swap or validate as indicated by xxxxxxxxx was cancelled while waiting for other AutoSwap hosts. This host is also the owner of the group. The swap will backout on this host. All other hosts participating in the swap will also terminate.

Action
None.

ESWP223E| CGRS223E | FMMS223E | SCFS223E

(rrrr)(PID ppppp) EMCSCF inconsistent configuration for[Sym|CCA]DV#/Ctrl#/SSID sssssss/[cccccccc-]cccccc/iili.
**Cause**
When attempting to obtain the device details (z/OS device number) for the indicated PowerMax/VMAX device or CCA number (ssssssss), storage system (12 or 5 digit ID as indicated by [ccccccc]-ccccc) and SSID (iii) an inconsistency has been noted in the EMCSCF configuration.

This could indicate that a device change has occurred and EMCSCF has not detected the change.

**Action**
Issue the EMCSCF DEV,REFRESH operator command and submit the request again.

**Note**
The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides further information about EMCSCF.

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**ESWP225E | CGRS225E | FMMS225E | SCFS225E**

(rrrr)(PID ppppp) EMCSCF CSC is using sdddd as gatekeeper: ASID: aaaa Jobname:jjjjjjjjjj

**Cause**
The indicated device (sdddd) is currently in use by the EMCSCF Cross System Communication (CSC) component as a gatekeeper device. These devices cannot be swapped by AutoSwap. The list of EMCSCF jobnames (jjjjjjj) and ASIDs (aaaa) using this device as a gatekeeper follow the message in a MLWTO format.

**Action**
If the device is to be swapped, select an alternate CSC gatekeeper device in EMCSCF using the SCF.CSC.GATEKEEPER specification. The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide presents further information about EMCSCF, the CSC component, and how to specify a CSC gatekeeper.

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**ESWP226I | CGRS226I | FMMS226I | SCFS226I**

AutoSwap has initialized with EMCSCF Cross System Communication.

**Cause**
AutoSwap has successfully initialized with the EMCSCF Cross System Communication component.

**Action**
None.

---

**ESWP227E | CGRS227E | FMMS227E | SCFS227E**

AutoSwap cannot start using subsystem xxxx, already running.

**Cause**
Another AutoSwap is already active for the same subsystem.
ESWP228E | CGRS228E | FMMS228E | SCFS228E

Error during subsystem processing, RC/RS xxxxxxxx/yyyyyyyy.

Cause
An error has occurred while attempting to define AutoSwap to the subsystem interface. The z/OS service IEFSSI return code (xxxxxxx) and reason code (yyyyyyyy) are documented in the MVS Assembler Service Reference Manual.

Action
Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If the reason for the error cannot be determined, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.

ESWP229E | CGRS229E | FMMS229E | SCFS229E

Selected subsystem name xxxx cannot be used, invalid name.

Cause
An invalid name has been selected for the subsystem name.

Action
Select a valid subsystem name.

ESWP230E | CGRS230E | FMMS230E | SCFS230E

Subsystem xxxx is not valid for use by AutoSwap, RS yy.

Cause
A subsystem name has been specified for a subsystem that is already active. The reason code indicates why the subsystem is not valid:

- RS 00, an SSVT is defined which does not belong to AutoSwap.
- RS 01, SSCT is not active for AutoSwap. Another subsystem is using this SSCVT (SSCTSUSE not valid for AutoSwap).
- RS 02 and RS 03, SSCT is not active for AutoSwap. Another subsystem is using this SSCVT (SSCTSUS2 not valid for AutoSwap).

Action
Select an alternate subsystem name.
AutoSwap global area is at version xxxxxxxx, level xxxxxxxx, should be version xxxxxxxx, level xxxxxxxx.

Cause
During initialization the global area validation has detected that an incompatible global module was previously loaded. The global module must be at the indicated level. The global areas will be refreshed.

Action
None.

AutoSwap global areas are being refreshed.

Cause
Either the REFRESH startup option was specified or an inconsistency in version/level was detected in the global area structures for a previous startup of AutoSwap.

Action
None.

AutoSwap global area is at version xxxxxxxx, level xxxxxxxx, should be version xxxxxxxx, level xxxxxxxx.

Cause
Following a REFRESH, or on the initial start of AutoSwap, a load of the incorrect version of the global modules has occurred. AutoSwap will not complete initialization.

Action
Verify that the valid global module is in the correct library search sequence (STEPLIB/JOBLIB and so on) and restart AutoSwap. If the reason for the error cannot be determined, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.

AutoSwap version vvvvvvvv, level llllllll.

Cause
AutoSwap herald message to indicate the current version and level.

Action
None.
ESWP235E | CGRS235E | FMMS235E | SCFS235E

module load failed RC/RS/INFO xxxxxxxx/yyyyyyyy/zzzzzzz.

Cause
The indicated module load failed.

Action
Verify that the indicated module is in the correct library search sequence (STEPLIB/JOBLIB etc) and restart AutoSwap. Check for other messages in SYSLOG to determine if another error is causing a load failure. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESWP236E | CGRS236E | FMMS236E | SCFS236E

module is not valid for AutoSwap.

Cause
The indicated module was loaded but it does not belong to AutoSwap.

Action
Verify that the indicated correct AutoSwap module is in the correct library search sequence (STEPLIB/JOBLIB and so on) and restart AutoSwap. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESWP237I | CGRS237I | FMMS237I | SCFS237I

AutoSwap has shutdown, RC=xxxxxxxx.

Cause
AutoSwap has shut down. If RC is not zero, additional messages will be issued to indicate the reason for the shutdown.

Action
If the return code is not zero, check for other messages in SYSLOG to determine if another error is causing a load failure. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the reason for the error, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.
ESWP238I | CGRS238I | FMMS238I | SCFS238I

(Device name) now eligible for unplanned AutoSwap.

Cause
The indicated device (device name) has validated successfully and was defined in a CAX group.

Action
None.

More Information
Verbose Level: 0

ESWP239W | CGRS239W | FMMS239W | SCFS239W

(Device name) is no longer eligible for unplanned AutoSwap.

Cause
The indicated device (device name) has failed validation. The device is no longer available for an unplanned swap.

Action
Examine other messages to determine why the device is no longer available for unplanned processing. Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

ESWP240E | CGRS240E | FMMS240E | SCFS240E

Unplanned request for device (device name) cannot be completed. No validated group could be located.

Cause
The indicated device (device name) has been triggered for an unplanned swap event. However, AutoSwap cannot determine a group to perform the swap.

Action
Examine other messages to determine why the device is no longer available for unplanned processing. Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
ESWP241E | CGRS241E | FMMS241E | SCFS241E

AutoSwap processing xxxxxxxxx has been disabled.

**Cause**
The indicated AutoSwap interface (xxxxxxxx) has been disabled due to error processing logic. Unplanned processing is no longer available until AutoSwap is restarted with the REFRESH option.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

ESWP242W | CGRS242W | FMMS242W | SCFS242W

AutoSwap processing mmmmmmmmm is not active (xxxxxxxx/yyyyyyyy).

**Cause**
The indicated AutoSwap interface (mmmmmmmm) has been previously disabled due to error processing logic. Unplanned processing is no longer available until AutoSwap is restarted with the REFRESH option. Additional diagnostic information is reported by xxxxxxxx/yyyyyyyy.

**Action**
Restart AutoSwap with the REFRESH option.

ESWP243W | CGRS243W | FMMS243W | SCFS243W

Request is not supported in this version of AutoSwap.

**Cause**
A request (operator command) has been entered that is not supported by this version of AutoSwap.

**Action**
Enter a valid command.

ESWP244E | CGRS244E | FMMS244E | SCFS244E

(rrrrr)(PID ppppp) No 'TO' device configured for RDFgrp/SymDV#/Ctrl#/CUU: gg/ssssss/ccccc/----

**Cause**
A 'TO' device identified by the indicated SRDF group (gg), PowerMax/VMAX device number (ssssssss) and storage system serial number (ccccc) cannot be located through AutoSwap. This may be due to one of the following:
- RDFGRP=CONFDEV was specified on the AutoSwap options to allow AutoSwap to select the required concurrent SRDF device and this device could not be located. When CONFDEV is used, AutoSwap will select the R2 device which is defined to the z/OS system (LPAR) and defined to SCF. No devices could be located.

- A non-concurrent SRDF device relationship exists and AutoSwap could not find the partner device.

**Action**

1. For concurrent SRDF, change the RDFGRP specification on the AutoSwap options to the required SRDF group.

2. If the device is not available to SCF (for example, boxed), SCF might not provide the device to AutoSwap. Examine the device to see whether it is in a state that cannot be accessed by SCF. If the device is available, it might be necessary to issue an SCF DEV,REFRESH command.

3. AutoSwap uses SCF to locate partner devices. Update SCF to INCLUDE a device which AutoSwap is to select and restart SCF, or issue the following SCF commands:
   - INI,REFRESH (if the SCFINI parameter file is changed)
   - DEV,REFRESH

**Note**

The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides information about these commands.

### ESWP245E | CGRS245E | FMMS245E | SCFS245E

(rrrrr) (PID ppppp) RESERVE transfer failed for 'TO' device, RC/RS xxxxxxxx/yyyyyyyy.

**Cause**

During swap processing, a RESERVE was detected on the FROM device. However, the transfer of the RESERVE failed for the TO device. The following reason codes (yyyyyyyy) are set for return code 8 (RC=8):

- RS=8, DCE could not be located for the TO device UCB.
- RS=12, DCE could not be located for the FROM device UCB.
- RS=16, too many RESERVEs held (UCBSQC=X'FF' and DCESQC support no installed) on the TO device.
- RS=20, DCESQC and UCBSQC mismatch on the TO device.
- RS=24, too many RESERVEs held (DCESQC=X'FFFF') on the TO device.

**Action**

Examine other messages relating to this error. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.
ESWP246E | CGRS246E | FMMS246E | SCFS246E

(rrrrr) (PID ppppp) RESERVE could not be obtained on 'TO' device, RC/RS/ERS xuxxxxxxx/yyyyyyyy/zzzzzzz.

Cause
During swap processing a RESERVE was detected on the FROM device. However, the transfer of the RESERVE failed for the TO device. The return code (xxxxxxxx), reason (yyyyyyyy) and extended reason code (zzzzzzzz) indicate an error was detected in the I/O processing routine.

Action
Examine other messages relating to this error. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.

ESWP247E | CGRS247E | FMMS247E | SCFS247E

(rrrrr) (PID ppppp) RESERVE transfer failed for 'FROM' device, RC/RS xuxxxxxxx/yyyyyyyy.

Cause
During swap processing a RESERVE was detected on the FROM device. However, errors were detected on the FROM device. The following reason code (yyyyyyyy) are set for return code 8 (RC=8):

- RS=8, DCE could not be located for the FROM device UCB.
- RS=12, DCE could not be located for the FROM device UCB.
- RS=16, too many RESERVEs held (UCBSQC=X'FF' and DCESQC support no installed) on the FROM device.
- RS=20, DCESQC and UCBSQC mismatch on the FROM device.
- RS=24, too many RESERVEs held (DCESQC=X'FFFF') on the FROM device.

Action
Examine other messages relating to this error. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.

ESWP248W | CGRS248W | FMMS248W | SCFS248W

(rrrrr) (PID ppppp) RESERVE found on 'FROM' device following SWAP, attempting transfer.

Cause
Following the swap of the FROM device UCB, a RESERVE was found. This indicates that a RESERVE was processed following the normal AutoSwap reserve transfer.
processing. The RESERVE will be attempted on the TO device to see whether it can be obtained.

**Action**
None.

**ESWP249W | CGRS249W | FMMS249W | SCFS249W**

(rrrrr)(PID ppppp) RESERVE transfer failed following SWAP, RC/RS/ERS xxxxxxxx/yyyyyyyy/zzzzzzzz.

**Cause**
Following the UCB swap processing, a RESERVE was detected on the FROM device. However, the transfer of the RESERVE failed for the TO device. The return code (xxxxxxxx), reason (yyyyyyyy) and extended reason code (zzzzzzzz) indicate an error was detected in the I/O processing routine.

**Action**
No action is necessary as the reserve will be propagated on the next I/O to the device. AutoSwap ensured that no I/O was possible during the swap processing; meaning that the reserve was pushed down to the device as part of the swap processing.

**ESWP250E | CGRS250E | FMMS250E | SCFS250E**

(rrrrr)(PID ppppp) Device modifications failed, RS xxxxxxxx.

**Cause**
The swap service routine failed. The swap processing for this device will backout.

**Action**
Examine other messages relating to this error. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.

**ESWP251W | CGRS251E | FMMS251E | SCFS251E**

(rrrrr)(PID ppppp) Device modifications failed, redrive nnnnnnnn of nnnnnnnnn; xxxxxxxx of yyyyyyyy complete.

**Cause**
The swap service routine failed; xxxxxxxx of yyyyyyyy UCB swaps have completed successfully. The processing will be retried for the indicated number of times.

**Action**
None.
ESWP252I | CGRS252I | FMMS252I | SCFS252I

(rrrr)(PID ppppp) Checkpoint nn cross system host status.

**Cause**
Displayed at the conclusion of checkpoint processing when all hosts have reached the same point in processing. Hosts are displayed following this message in the format described by message ESWP195I | CGRS195I | FMMS195I | SCFS195I.

**Action**
None.

**More Information**
Verbose Level: 3

ESWP253W | CGRS253W | FMMS253W | SCFS253W

(rrrr)(PID ppppp) UCB SWAP backout failed, redrive xxxxxxxx of xxxxxxxx, RS xxxxxxxx.

**Cause**
The mainframe swap service routine failed during backout processing. The processing will be retried for the indicated number of times.

**Action**
None.

ESWP254W | CGRS254W | FMMS254W | SCFS254W


**Cause**
AutoSwap normally performs swap device reconfiguration through the TO device (remote call). However, a link failure has occurred and AutoSwap cannot communicate to the FROM device. The same reconfiguration call will be reattempted to the FROM device directly (local call).

**Action**
None.

ESWP255W | CGRS255W | FMMS255W | SCFS255W

Device sdddd is no longer eligible for unplanned AutoSwap; no groups available.

**Cause**
A device which was previously eligible for an unplanned swap no longer has a group available for processing. This would indicate that the CAX group containing this device
has either been deleted, is now invalid, or swap processing was disabled through the
SETSWAP DISABLE command.

Action
If the device is to be protected by unplanned CAX group then define and validate a
CAX group. If the group is disabled use the SETSWAP ENABLE command. Verbose
Level: 1

ESWP256I | CGRS256I | FMMS256I | SCFS256I

Unplanned request for device sdddd bypassed. Device SWAP already completed by group gggggggg.

Cause
An unplanned condition was detected for device (sdddd). However, the device has already swapped. This can occur when many duplicate unplanned conditions are detected for the same device.

Action
None.

More Information
Verbose Level: 1

ESWP257I | CGRS257I | FMMS257I | SCFS257I

Unplanned request for device sdddd has been queued to group gggggggg.

Cause
An unplanned condition was detected for device (sdddd). The group (ggggggggg) will be requested to swap the device.

Action
None.

More Information
Verbose Level: 1

ESWP258I | CGRS258I | FMMS258I | SCFS258I

Unplanned request for device sdddd retry xx with group gggggggg.

Cause
An unplanned condition was detected for device (sdddd). The device failed to swap with the previous group selection. However, another group (ggggggggg) has been located which can perform the swap. The swap will be retried in this group. Up to 5 retries (in different groups) will be attempted.

Action
None.

More Information
Verbose Level: 1
Unplanned request for device sdddd cannot be retried due no more validated groups.

**Cause**
An unplanned condition was detected for device (sdddd). The device failed to swap with the previous group selection and another group cannot be located to perform the swap.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

Group gggggggg, ID xxxxx has already been defined and cannot be created by host hhhh (xxxxxxxxxxxxxxxx).

**Cause**
A group creation was requested by host hhhh. However, a duplicate group name already exists on the current host. Group names must be unique. If REPLACE was specified in the group DEFINE, the REPLACE can only be done if the group is not active. The host ID (xxxxxxxxxxxxxxxx) indicates the EMCSCF known host identifier for host hhhh. This is defined by the EMCSCF Cross System Communication component.

**Note**
The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide presents a description of EMCSCF and CSC.

**Action**
Redefine the group on host hhhh to refer to another name, delete the duplicate group on the current host, or add REPLACE to the DEFINE specification.

Unplanned request for device sdddd invalid with group gggggggg.

**Cause**
An unplanned condition was detected for device (sdddd). However, the swap request was detected as being queued to an incorrect group (ggggggggg). The device will be queued to another group, if available.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem,
contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

ESWP262E | CGRS262E | FMMS262E | SCFS262E

Unplanned request for device sdddd max retries xx exceeded.

**Cause**
An unplanned condition was detected for device (sdddd). The device failed to swap with other groups. Up to 5 retries (in different groups) were attempted and all failed.

**Action**
Examine other messages to determine the reason for the failure. Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

ESWP263E | CGRS263E | FMMS263E | SCFS263E

SWAP request cannot be performed, too many concurrent requests.

**Cause**
A non-defined swap request was entered that cannot be processed. There are currently too many swap requests active. An example of a non-defined swap request is SWAP AAAA,BBBB,100. These are requests where the group name is determined and set by AutoSwap. The name is in the form :#Shhhhnn

Where:
- hhhh is the defining host name.
- nn is a number from 00 and 99.

Up to 99 of these types of requests may be active.

**Action**
Wait for existing swap requests to complete and try again. Currently active requests may be displayed using the DISPLAY GROUP #S* command.

ESWP264I | CGRS264I | FMMS264I | SCFS264I

SWAP request has been assigned the group name #Shhhhnn

**Cause**
A non-defined swap request was entered. The swap request has been assigned a group name for command and cross system processing. The name is in the form: #Shhhhnn

Where:
- hhhh is the defining host name.
- nn is a number from 00 and 99.

Up to 99 of these types of requests may be active.
Action
None.

ESWP265E | CGRS265E | FMMS265E | SCFS265E

Cannot build internal group name, SMF is not active.

Cause
A non-defined swap request was entered. However, a group name cannot be created as SMF is not active. The host name used to create the group is obtained from the SMFID. Message ESWP264I | CGRS264I | FMMS264I | SCFS264I provides more information about the format.

Action
Either start SMF or use the DEFINE GROUP command to perform the swap.

ESWP266E | CGRS266E | FMMS266E | SCFS266E

SWAP request invalid due overlapping 'FROM' and 'TO' ranges.

Cause
A non-defined swap request was entered which contains overlapping device ranges. For example, SWAP 1111,1113,4

Action
Specify the command with a valid device range again.

ESWP267I | CGRS267I | FMMS267I | SCFS267I

(rrrrr) Group gggggggg contains xxxxx resolved devices.

Cause
Information message to indicate the number of DASD devices (xxxxx) located for the specified group (gggggggg).

Action
None.

ESWP268W | CGRS268W | FMMS268W | SCFS268W

(rrrrr) Group gggggggg is empty.

Cause
The group (gggggggg) when being initialized by the swap manager could not locate any DASD devices. The group is terminated.

Action
Specify a range of valid DASD devices again.
IOACTION command to suspend I/O no longer supported, ignored.

**Cause**
The IOACTION option was requested; however, it is no longer supported and the request is ignored. AutoSwap performs I/O quiesce processing using the IOSLEVEL service.

**Action**
None.

---

EMCPARMS DD ignored in utility mode.

**Cause**
AutoSwap has been started in utility mode. However an EMCPARMS DD has also been specified. EMCPARMS is ignored while in utility mode. All options are passed directly on the PARM statement.

**Action**
None.

---

**VALIDATE** processing has commenced for the device pair.

**Action**
None. **Verbose Level:** 1

---

**Common Swap Services**

```plaintext
(rrrr)(PID ppppp) VALIDATE 'FROM'/'TO' sdddd/eeee
```

**or**

```plaintext
(rrrr)(PID ppppp) SWAP 'FROM'/'TO' ffff/tttttt, device count :ccccc
```

**or**

```plaintext
(rrrr)(PID ppppp) SWAP 'FROM'/'TO' ffff/tttttt, grouped with PID(hhhh)[.]]]]]]]][; unplanned.]
```
**Cause**

SWAP processing has commenced for the FROM (ffff)/TO (ttttt) device pair.

If the devices are being swapped due to an unplanned event, the text '; unplanned' is appended to the message.

If the PID is grouping a set of other PIDs under this PID to optimize the processing of the swap, the 'device count: ccccc.' value is displayed. This is known as the head PID.

If the PID is being grouped with a head PID to optimize the processing of the swap, the 'grouped with PID(hhhhh)' value is displayed. The head PID is identified by hhhhh. These are displayed as verbose level 0 messages.

The 'FROM'/'TO' devices (ffff/ttttt) are displayed as follows:

ccccc,ssssssss

Format used where an z/OS device number (ccuu) could not located. ccccc is the storage system serial number, sssssss is the PowerMax/VMAX device number. The leading 2 digits are suppressed when zero.

sdddd

The format used where an z/OS device number was located. s is the subchannel set number, dddd is the 4 digit z/OS device number.

**Action**

None.

**Verbose Level:** 0 for grouped devices.

---

**ESWP273E | CGRS273E | FMMS273E | SCFS273E**

(rrrrr)(PID ppppp) 'FROM' device sdddd has an invalid state, RS xxxxxxxx(rrrrrrrrrrrrrrrrrrrr).

**Cause**

The FROM device has an invalid state as indicated by RS:

<table>
<thead>
<tr>
<th>xxxxxxxx</th>
<th>rrrrrrrrrrrrrrrrrrrr</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>offline</td>
<td>Device must be ONLINE.</td>
</tr>
<tr>
<td>02</td>
<td>pending offline</td>
<td>Device is changing states (going offline).</td>
</tr>
<tr>
<td>05 or 35</td>
<td>paging volume</td>
<td>Device has active page datasets and this is not a continuous available group.</td>
</tr>
<tr>
<td>06 or 36</td>
<td>OPS/MVS volume</td>
<td>Device has Computer Associates OPS/MVS datasets and this is not a continuous available group CAX (ConGroup AutoSwap Extension) define group.</td>
</tr>
<tr>
<td>15</td>
<td>paging volume not R1</td>
<td>Device has active page datasets and this is a non-SRDF swap request. Page</td>
</tr>
</tbody>
</table>
dataset devices can only be swapped for SRDF defined devices.

Device has active page datasets and this is an R2 device. Page dataset devices can only be swapped from R1 to R2. R2 to R1 swap is not supported for these types of devices. Use the SRDF Host Component SWAP command to change the personality of the devices to R1 prior to requesting a swap.

Device has active page datasets; however, the required support is not installed on this storage system. Enginuity 5671 or later is required for page dataset swaps.

Correct the state of the device. If the group must be defined as a continuous available group, the swap of this device is only supported using the Consistency Groups CAX definition.

Device must be OFFLINE.

Device is changing states.

Device MIDAW setting is inconsistent with FROM device.

More than 1 alternate subchannel set has been located for this group. Only a single alternate subchannel set is allowed.
<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>online not Host R/O</td>
<td>AllowOnlineToDevice option was specified. However, the TO device also needs to be set as Host Ready Only to the local host through SCF. Refer to the ResourcePak Base documentation for specifying the SCF.DEV.ATTR.HBO.INCLUDE keyword in the SCFINI file.</td>
</tr>
<tr>
<td>1A</td>
<td>altSS CUU mismatch</td>
<td>An alternate subchannel set device has been detected. However, the device number in the FROM device does not match the TO device number. The 4-digit device number must exactly match.</td>
</tr>
<tr>
<td>23</td>
<td>Host R/O mismatch</td>
<td>The TO device has the Host Read Only attribute specified through SCF. However, the FROM device is ONLINE and does not have a similar Host Read Only setting. The TO device Host Read Only support specification should be reviewed to determine if Read Only is appropriate. Refer to ResourcePak documentation for specifying the SCF.DEV.ATTR.HRO.INCLUDE keyword in the SCFINI file.</td>
</tr>
<tr>
<td>2A</td>
<td>special not 3390D</td>
<td>The TO device is in an alternate subchannel set. However, it is not defined correctly to the HCD. The device must be defined as a 3390D special secondary device.</td>
</tr>
</tbody>
</table>

**Action**

Correct the state of the device. For RS 09, either turn MIDAW off using the z/OS SETIOS MIDAW=NO operator command or change the PowerMax/VMAX BIN file MIDAW setting to be consistent for the FROM and TO storage systems.
ESWP275E | CGRS275E | FMMS275E | SCFS275E

Storage shortage detected by event build processing, active requests shutdown.

Cause
A private regions storage shortage has been detected. Current work has been requested to terminate.

Action
Specify a larger REGION and restart AutoSwap.

ESWP276W | CGRS276W | FMMS276W | SCFS276W

SHARED option no longer supported, ignored.

Cause
The SHARED option was requested; however, SHARED is no longer supported. The request is ignored. AutoSwap performs all requests as shared where a device is online to multiple hosts.

Action
None.

ESWP277W | CGRS277W | FMMS277W | SCFS277W

SYSTEMS count specification no longer supported, ignored.

Cause
The SYSTEMS count was specified, however it is no longer supported and is ignored. AutoSwap uses the number of online path groups and the EMCSCF Cross System Component to determine the system count.

Action
None.

ESWP278I | CGRS278I | FMMS278I | SCFS278I

(rrrrr) Group ggggggggg will remain active due to [[implied] RETAIN[ SWAPCMPLT]|COMPLEMENT] specification. [Quiesce reset]

Cause
The group (gggggggg) has the RETAIN or COMPLEMENT specification or the group was internally defined as a result of a cross-system request (from the group owner) or from the owning group (for example, ConGroup). An internally defined group always has an “implied RETAIN” specification. This allows the group to remain active even after quiesce or completion. This allows additional processing to be performed on the group such as DISPLAY, SWAP or VALIDATE commands. If the group completed processing because of a quiesce condition (refer to message ESWP097E | CGRS097E...
| FMMS097E | SCFS097E), the additional ‘Quiesce reset’ text is appended to the message.

**Action**
The group can only be terminated with the DELETE command, SWAP completion (if RETAIN SWAPCMPLT) or on AutoSwap shutdown.

**ESWP279I | CGRS279I | FMMS279I | SCFS279I**

$(rrrr)(PID ppppp)$ Error bypassed, device SWAP had been pre-validated.

**Cause**
An error condition (for example, FROM device boxed) has been bypassed for the swap. This only occurs when the device was previously validated and the validate option was not specified on the swap.

**Action**
None.

**ESWP280W | CGRS280W | FMMS280W | SCFS280W**

$(rrrr)(PID ppppp)$ CFW Deactivate on device controller did not complete RC/RS/ERS $xxxxxxxx/yyyyyyyy/zzzzzzzz$.

**Cause**
An I/O error has occurred while attempting to de-activate Cache Fast Write on the device storage system. This can occur when the FROM device storage system is no longer available. Additional diagnostics are provided in $xxxxxxxx/yyyyyyyy/zzzzzzzz$ for customer support.

**Action**
None. However, CFW can be deactivated using IDCAMS following the swap.

**ESWP281W | CGRS281W | FMMS281W | SCFS281W**

$(rrrr)(PID ppppp)$ CFW activate on device controller did not complete RC/RS/ERS $xxxxxxxx/yyyyyyyy/zzzzzzzz$.

**Cause**
An I/O error has occurred while attempting to activate Cache Fast Write on the device storage system. Additional diagnostics are provided in $xxxxxxxx/yyyyyyyy/zzzzzzzz$ for customer support.

**Action**
None. However, CFW can be activated using IDCAMS following the swap.

**ESWP282I | CGRS282I | FMMS282I | SCFS282I**

$(rrrr)(PID ppppp)$ CFW will be deactivated by cross system host $hhhh$ (xxxxxxxxxxxxxxxxx) due RESERVE held.
Cause
Cache Fast Write has been detected as active on the FROM device storage system. In addition, the host hhhh has indicated that it is holding the RESERVE on this device and will be given the task of deactivating CFW for the storage system and reactivating it on the TO device storage system. The host ID (xxxxxxxxxxxxxxxx) indicates the EMCSCF known host identifier for host hhhh. This is defined by the EMCSCF Cross System Communication component.

Action
None.

ESWP283I | CGRS283I | FMMS283I | SCFS283I

Parser messages follow:

Cause
Informational message indicating that parser messages follow.

Action
For parser error conditions, reenter a valid command.

ESWP284W | CGRS284W | FMMS284W | SCFS284W

(rrrrr)(PID ppppp) Error bypassed, FORCE=NOLINK has been specified.

Cause
A previously detected link failure resulted in local call processing (see message ESWP254W | CGRS254W | FMMS254W | SCFS254W). However, the direct (local) call to the FROM device has failed. The usage of FORCE=NOLINK indicates to AutoSwap that it should perform the swap even if no connectivity is to the device.

Action
Additional processing may be required on the FROM device to set it to a desired state. It is possible that AutoSwap was unable to change the FROM device state to not-ready (RDF-NRDY or NRDY) which could result in other hosts still accessing the FROM device. This can occur when the bypass system count (BYPYSC) was specified and those hosts not participating in the swap still have connectivity to the FROM device.

ESWP285W | CGRS285W | FMMS285W | SCFS285W

AutoSwap waiting for EMCSCF cross system communication.

Cause
AutoSwap is attempting to initialize with the EMCSCF Cross System Communication component. However, the CSC is not active. This can occur if EMCSCF has been started with an EXCLUDE list of all PowerMax/VMAX devices, or the CSC has not been activated. This message can occur when AutoSwap has been initialized before or during the startup of EMCSCF. In this case AutoSwap will correctly initialize with EMCSCF after it has completed initialization.
**Action**

Check to see whether EMCSCF and the CSC are active. The CSC can be verified using the EMCSCF command, CSC,DISPLAY,HOSTS. If it is active, check to see whether there are any additional messages produced by EMCSCF to describe the reason for the failure. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

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**Note**

The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide presents more information about EMCSCF.

If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

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**ESWP286E | CGRS286E | FMMS286E | SCFS286E**

**AutoSwap lost access with EMCSCF Cross System Communication.**

**Cause**

AutoSwap was initialized with the EMCSCF Cross System Communication component. However, access has been lost to all EMCSCF defined storage systems. AutoSwap will attempt to reinitialize its connection.

**Action**

Check to see if EMCSCF and the CSC is active. The CSC can be verified using the EMCSCF command CSC,DISPLAY,HOSTS command. If it is active, check to see whether there are any additional messages produced by EMCSCF to describe the reason for the failure. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

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**Note**

The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides more information.

If you cannot determine cause of the failure, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.

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**ESWP287E | CGRS287E | FMMS287E | SCFS287E**

**AutoSwap cannot initialize with EMCSCF Cross System Communication, software level too low**

**Cause**

AutoSwap is attempting to initialize with the SCF Cross System Communication (CSC) component. However, the SCF level is too low.

**Action**

SCF must be at version 5.2 or later. Restart AutoSwap with an SCF at the required level. Check to see whether SCF and the CSC is active.
The CSC can be verified using the SCF command CSC,DISPLAY,HOSTS command. If it is active, check to see whether there are any additional messages produced by SCF to describe the reason for the failure. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

Note
The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide presents more information.

If you cannot determine the cause of the failure, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.

ESWP288W | CGRS288W | FMMS288W | SCFS288W

(rrrrr)(PID ppppp) RESERVE could not be released on device sdddd, RC/RS/ERS xxxxxxxx/yyyyyyyy/zzzzzzzz.

Cause
AutoSwap is attempting to release a RESERVE on device sdddd. However an I/O error has occurred such that the reserve remains on the device. This can occur when the FROM device is no longer available. Additional diagnostics are provided in xxxxxxxx/yyyyyyyy and zzzzzzzz for Customer Support.

Action
z/OS will release the RESERVE on the next I/O to the device. No further action is necessary if the device is no longer available.

ESWP289E | CGRS289E | FMMS289E | SCFS289E

AutoSwap cannot initialize, library is not APF authorized.

Cause
The AutoSwap load library is not APF authorized.

Action
Use the SETPROG APF command to authorize the library and restart AutoSwap. If more than 1 library is concatenated in the library search sequence (JOBLIB/STEPLIB), ensure that all libraries are APF authorized.

ESWP290I | CGRS290I | FMMS290I | SCFS290I


Cause
A normal condition was detected while varying the device sdddd online. The IEEVARYD service has returned return and reason codes xxxxxxxx and yyyyyyyyy. The MVS Authorized Assembler Services Reference Manual for IEEVARYD contains a description of the return codes from this service. An IEEVARYD generated message follows.
Action
None.

More Information
Verbose Level: 3

ESWP291E | CGRS291E | FMMS291E | SCFS291E


Cause
An error was detected while varying the device sdddd online. The IEEVARYD service has returned return and reason codes xxxxxxxx and yyyyyyyy. The MVS Authorized Assembler Services Reference Manual for IEEVARYD contains a description of the return codes from this service.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESWP292I | CGRS292I | FMMS292I | SCFS292I

(rrrr) Group gggggggg *

Total Devices : t1 Highest PID : t2]
Valid : t6 Invalid : t7
[ High Priority : t8 Paging Devs : t9]
[ AutoOps Devs : t10]
[ Auto Swappable: t11 Auto Pending : t12]
Swapped : t13 Failed Swap : t14
[ Bypass Offline: t15 Bypass Swap : t16]
Offline : t17 Not Defined : t18
[ FBA : t19 FBA Meta : t20]
[ FBA Head : t21]
[ Alternate SS : t22]

Cause
Informational message displayed at the conclusion of the current processing or on deletion of the group (gggggggg) to indicate how many and the divvy of device totals. Message ESWP217I | CGRS217I | FMMS217I | SCFS217I provides information about the counts.

Action
None.

ESWP293W | CGRS293W | FMMS293W | SCFS293W

AutoSwap has been started under the ssss subsystem.
Cause
AutoSwap has not been started under the MSTR subsystem. The subsystem has been indicated by `ssss`. Where AutoSwap has been started under a JES2 or JES3 subsystem, JES2 or JES3 is indicated and not the actual subsystem name.

Action
If AutoSwap is to swap devices owned by the indicated subsystem, change the start of AutoSwap to SUB=MSTR. For example, START EMCCGRP,SUB=MSTR. Due to the function of JES2 and JES3, AutoSwap should be started SUB=MSTR. Otherwise, deadlock conditions can occur when AutoSwap is performing swap processing of JES devices.

ESWP294W | CGRS294W | FMMS294W | SCFS294W

(rrrrr)(PID ppppp) CFW cannot be deactivated on device controller Ctrl#/SSID cccccc/ssss, no operational paths.

Cause
Cache Fast Write cannot be de-activated on the FROM device storage system (cccccc) and SSID (ssss). No paths are available to the device being processed by the swap. This condition is normal when a(n) (auto) swap is being performed because of a no-paths condition.

Action
None. However, CFW can be deactivated using IDCAMS following the swap on a system with access to the device.

ESWP295W | CGRS295W | FMMS295W | SCFS295W

(rrrrr)(PID ppppp) RESERVE cannot be released on device sdddd, no operational paths.

Cause
A RESERVE cannot be released on indicated device (sdddd). No paths are available to this device. This condition is normal when dddd is the FROM device and a (auto) swap is being performed due to a no-paths condition.

Action
None.

ESWP296I | CGRS296I | FMMS296I | SCFS296I

(rrrr) TRACE EID x'eee', FID x'ff' already active.

Cause
A SET TRACE command was entered. However TRACE is already set for the indicated EID and FID. The current global options can be displayed using the DISPLAY GOPT command.

Action
None.
ESWP297I | CGRS297I | FMMS297I | SCFS297I

(rrrr) TRACE EID x'eee', FID x'ff' has been activated.

Cause
A SET TRACE command was issued. Tracing is now active for AutoSwap. GTF tracing must also be active using the USR=(eee) option to collect the trace data. Refer to the MVS Diagnosis: Tools and Service Aids Manual for information about tracing user records.

Action
None.

ESWP298I | CGRS298I | FMMS298I | SCFS298I

(rrrr) TRACE already inactive.

Cause
A SET NOTRACE command was entered. However, TRACE is already inactive. The current global options can be displayed using the DISPLAY GOPT command.

Action
None.

ESWP299I | CGRS299I | FMMS299I | SCFS299I

(rrrr) TRACE is now inactive.

Cause
A SET NOTRACE command was entered. Tracing is now inactive for AutoSwap.

Action
None.

ESWP400I | CGRS400I | FMMS400I | SCFS400I

(rrrr)(PID ppppp) xxxxxxxxxxxxxxxx request accepted using Dir# dd.

Cause
A validate or swap request using a specific storage system director number previously failed. However, an alternate director has been found which accepts the request. Further director specific processing will be performed using this director.

Action
None.

More Information
Verbose Level: 3
ESWP401I | CGRS401I | FMMS401I | SCFS401I

(rrrr)(PID ppppp) Rx RDF-NRDY complete for SYMDV# sddd[-eeee].

Cause
Informational message to indicate that the SRDF (x indicates R1 or R2) device(s) sddd-eeee (eeee is only displayed where a range of devices was processed) are now SRDF Not Ready (RNR).

Action
None.

More Information
Verbose Level: 3

ESWP402I | CGRS402I | FMMS402I | SCFS402I

(rrrr)(PID ppppp) R1 tnr complete for symdv# sddd[-eeee].

Cause
Informational message to indicate that the R1 SRDF device(s) sddd-eeee (eeee is only displayed where a range of devices was processed) are now Target Not Ready (TNR).

Action
None.

More Information
Verbose Level: 3

ESWP403I | CGRS403I | FMMS403I | SCFS403I

(rrrr)(PID ppppp) R2 R/W complete for symdV# sdddd[-eeee].

Cause
Informational message to indicate that the R2 SRDF device(s) sdddd-eeee (eeee is only displayed where a range of devices was processed) are now Read Write (R/W).

Action
None.

More Information
Verbose Level: 3

ESWP404I | CGRS404I | FMMS404I | SCFS404I

(rrrr)(PID ppppp) R2 RDY complete for Symdv# sdddd[-eeee].
Cause
Informational message to indicate that the R2 SRDF device(s) \textit{sdddd-eeeee} (\textit{eeeee} is only displayed where a range of devices was processed) are now Ready (RDY).

Action
None.

More Information
Verbose Level: 3

ESWP405I | CGRS405I | FMMS405I | SCFS405I

\textit{(rrrrr)(PID ppppp) R2 RO complete for Symdv\# sdddd[-eeeee]}. 

Cause
Informational message to indicate that the R2 SRDF device(s) \textit{sdddd-eeeee} (\textit{eeeee} is only displayed where a range of devices was processed) are now Read Only (RO).

Action
None.

More Information
Verbose Level: 3

ESWP406I | CGRS406I | FMMS406I | SCFS406I

\textit{(rrrrr)(PID ppppp) R1 TR complete for symdv\# sdddd[-eeeee]}. 

Cause
Informational message to indicate that the R1 SRDF device(s) \textit{sdddd-eeeee} (\textit{eeeee} is only displayed where a range of devices was processed) are now Target Ready (TR).

Action
None.

More Information
Verbose Level: 3

ESWP407I | CGRS407I | FMMS407I | SCFS407I

\textit{(rrrrr)(PID ppppp) R2 NRDY Complete for symdv\# sdddd[-eeeee]}. 

Cause
Informational message to indicate that the R2 SRDF device(s) \textit{sdddd-eeeee} (\textit{eeeee} is only displayed where a range of devices was processed) are now Not Ready (NRDY).

Action
None.

More Information
Verbose Level: 3
ESWP408I | CGRS408I | FMMS408I | SCFS408I

(rrrr)(PID ppppp) Rx RDF-RDY complete for Symdv# sdddd[-eeee].

Cause
Informational message to indicate that the SRDF (x indicates R1 or R2) device sdddd device(s) dddd-eeee (eeee is only displayed where a range of devices was processed) are now SRDF Ready (RDF-RDY).

Action
None.

More Information
Verbose Level: 3

ESWP409E | CGRS409E | FMMS409E | SCFS409E

(rrrr)(PID ppppp) R1=>R2 RDY failed.

Cause
The ready of the R2 device failed when swapping from an R1 to an R2.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESWP410E | CGRS410I | FMMS410I | SCFS410I

(rrrr)(PID ppppp) R2=>R1 RDY failed.

Cause
The ready of the R1 device failed when swapping from an R2 to an R1.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the reason for the failure, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.

ESWP411E | CGRS411E | FMMS411E | SCFS411E

(rrrr)(PID ppppp) EMCSCF Cross System Communication is not active on ctrl# cccccc.
Cause
AutoSwap is attempting to communicate to other AutoSwap via the indicated storage system (cccc). However, the CSC is not active on this storage system. This can occur if EMCSCF has been started or reinitialized with an EXCLUDE list containing all devices for the indicated storage system.

Action
Check whether EMCSCF and the CSC is active. The CSC can be verified using the EMCSCF command CSC,DISPLAY,HOSTS command. If the CSC is active on the indicated storage system, check to see whether there are any additional messages produced by EMCSCF to describe the reason for the failure. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

More Information
If you cannot determine the reason for the failure, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.

Note
The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide describes EMCSCF.

ESWP412I | CGRS412I | FMMS412I | SCFS412I

(rrrrr) AutoSwap options already set, no changes applied.

Cause
A SET SOPT command was entered to change the default AutoSwap options. However, the AutoSwap options specified on the SET command have already been set. The current default AutoSwap options can be displayed using the DISPLAY SOPT command.

Action
None.

ESWP413I | CGRS413I | FMMS413I | SCFS413I

(rrrrr) Scheduled SWAP of group gggggggg has been cancelled due to quiesce.

Cause
A SWAP command was entered for the group (gggggggg) however the group was undergoing validation and the swap was scheduled to follow the validation. A condition was detected which caused the group to become quiesced. Other messages will have been produced to indicate why the quiesce occurred. The scheduled swap has been cancelled.

Action
Examine other messages to determine why the group was quiesced. If the reason cannot be determined, review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the reason for the failure, contact the Dell EMC Customer Support Center
ESWP414I | CGRS414I | FMMS414I | SCFS414I

(rrrr)(PID ppppp) Prior failed SWAP attempt reset.

Cause
A prior swap attempt of the device failed. However, it will be reconsidered for swap due to a new request. The device pair will be revalidated for swap.

Action
None.

More Information
Verbose Level: 3

ESWP415W | CGRS415W | FMMS415W | SCFS415W

ENF listen for ENFPCeee failed RC xxxxxxxx.

Cause
An ENF listen request using the ENFREQ service failed for event eee. The MVS Authorized Assembler Services Reference Manual for ENFREQ contains a description of the return codes from this service.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESWP416E | CGRS416E | FMMS416E | SCFS416E

(rrrr)(PID ppppp) Group gggggggg 'FROM'/'TO' sdddd/eee, no longer valid by host hhhh (xxxxxxxxxxxxxxxx).

Cause
A host (hhhh) has detected a change in the configuration such that the device (sdddd) can no longer be swapped. Further detail will be produced on the host to indicate the reason for this failure. The host ID (xxxxxxxxxxxxxxxx) indicates the EMCSCF known host identifier for host hhhh.

Action
Refer to additional messages produced by host hhhh.
ESWP417W | CGRS417W | FMMS417W | SCFS417W

(rrrrr)(PID ppppp) Could not read the 'TO' device sdddd volser, redrive xxxx of yyyy.

Cause
An error occurred when attempting to read the TO device volume serial. The processing will be retried for the number of times indicated by yyyy.

Action
None.

ESWP418W | CGRS418W | FMMS418W | SCFS418W

(rrrrr)(PID ppppp) Waiting for AutoSwap SWAP serialization for xxxxxxxxx secs.

Cause
AutoSwap is attempting to serialize the device for swap processing. However, another AutoSwap group is currently performing validation on the device. Serialization is retried until it gains access to the device or until 5 minutes.

Action
None.

ESWP419E | CGRS419E | FMMS419E | SCFS419E

(rrrrr)(PID ppppp) I/O not quiesced for sdddd [eeee (alias)]?[ ; wwwww sec. wait exceeded.]

Cause
A swap is being attempted for the indicated device (sdddd). However, there is still outstanding I/O on the indicated device and or aliases. This message is displayed at 30 second intervals until I/O has completed.

When the total quiesce wait time is exceeded the message is displayed as 419E with “wait exceeded.” The wait time is indicated by wwwww. In this case swap processing fails. By default the wait time is the

Action
Check for other z/OS generated messages to determine the reason for the message. For example, a start pending condition.

If the swap fails then the period of time might be too small. Increase the value using the QUIESCETIMEOUT option. If the reason for a failure cannot be determined, contact the Dell EMC Customer Support Center for technical assistance.
(rrrr) (PID ppppp) I/O not quiesced for sdddd [eeee (alias)]?[ ;

wwwww sec. wait exceeded.]

Cause
A swap is being attempted for the indicated device (sdddd). However, there is still outstanding I/O on the indicated device and or aliases. This message is displayed at 30 second intervals until I/O has completed. When the total quiesce wait time is exceeded the message is displayed as 419E with “wait exceeded.” The wait time is indicated by wwwww. In this case swap processing fails. By default the wait time is the MIH (Missing Interrupt Handler) period set for the device. The current MIH period may be examined using the MVS DISPLAY IOS,MIH command. This value may be overridden using the QUIESCETIMOUT AutoSwap option. See SET SOPT, DEFINE and SWAP commands for further details.

Action
Check for other z/OS generated messages to determine the reason for the message. For example, a start pending condition. If the swap fails then the period of time might be too small. Increase the value using the QUIESCETIMEOUT option. If the reason for a failure cannot be determined then contact the Dell EMC Customer Support Center for technical assistance.

(rrrr) (PID ppppp) Alias bind for device sdddd failed, use VARY dddd,UNCOND.

Cause
AutoSwap has attempted to rebind the alias for the indicated device sdddd. However the bind failed. This could occur due to a timeout condition. For example, another host could have the device reserved.

Action
Issue the VARY sdddd,ONLINE,UNCOND operator command to rebind the device alias.

(rrrr) (PID ppppp) 'FROM' device sdddd is not RDF; non-RDF SWAP.

Cause
The FROM device is not an SRDF device. However, this processing was initiated by an external product requesting a non-SRDF swap. Processing continues.

Action
None.

More Information
Verbose Level: 4
ESWP422W | CGRS422W | FMMS422W | SCFS422W

(rrrr)(PIDpppp) 'TO' device sdddd is not RDF; non-RDF SWAP.

Cause
The TO device is not an SRDF device. However, this processing was initiated by an external product requesting a non-SRDF swap. Processing continues.

Action
None.

More Information
Verbose Level: 4

ESWP423W | CGRS423W | FMMS423W | SCFS423W

(rrrrr)(PID ppppp) SymDV#/Ctrl# 'FROM' xxxxxxxx/xxxxx, 'TO' xxxxxxxx/xxxxx do not point to each other; non-RDF SWAP.

Cause
The FROM and TO devices are SRDF devices that do not point to each other. However, an external product requesting a non-SRDF swap initiated this processing. Processing continues.

Action
None.

More Information
Verbose Level: 4

ESWP424W | CGRS424W | FMMS424W | SCFS424W

(rrrrr)(PID ppppp) 'FROM' and 'TO' device are both Rr; non-RDF SWAP.

Cause
The FROM and TO devices are both of the same SRDF gender (both R1 or both R2). However, an external product requesting a non-SRDF swap initiated this processing. Processing continues.

Action
None.

More Information
Verbose Level: 4

ESWP425W | CGRS425W | FMMS425W | SCFS425W

(rrrrr)(PID ppppp) 'FROM'/'TO' xxxx/xxxx SWAP bypassed; another active on this host.
Cause
A swap request has been bypassed as another one for the same device is being performed by another AutoSwap active on this host.

Action
None.

ESWP426I | CGRS426I | FMMS426I | SCFS426I

(rrrrr) MAXLINECOUNT nnnnn already set.

Cause
A SET MAXLINECOUNT command was entered. However, the specified line count maximum nnnnn is already set. The current global options can be displayed using the DISPLAY GOPT command.

Action
None.

ESWP427I | CGRS427I | FMMS427I | SCFS427I

(rrrrr) MAXLINECOUNT nnnnn has been set

Cause
A SET MAXLINECOUNT command was entered. The specified line count maximum nnnnn is now active.

The multi-line variable display output as a result of a Display Group command is now limited to this number of lines. Note that specifying no value or a value of 0 results in setting the count to the default value of 1000.

Action
None.

ESWP428W | CGRS428W | FMMS428W | SCFS428W

(rrrrr) MAXLINECOUNT nnnnn has been set less than default. Default reduced from xxxxx.

Cause
A SET MAXLINECOUNT command was entered. The specified line count maximum nnnnn is now active. This value is less than the currently set default line count value xxxxx causing the default line count to be reduced to the same nnnnn value. Multi-line variable display output as a result of a Display Group command is now limited to, and defaults to, this number of lines.

Action
None.
ESWP429I | CGRS429I | FMMS429I | SCFS429I

(rrrr) DEFAULTLINECOUNT nnnnn already set.

Cause
A SET DEFAULTLINECOUNT command was entered. However the selected line count default nnnnn is already set. The current global options can be displayed using the DISPLAY GOPT command.

Action
None.

ESWP430I | CGRS430I | FMMS430I | SCFS430I

(rrrr) DEFAULTLINECOUNT nnnnn has been set.

Cause
SET DEFAULTLINECOUNT command was entered. The specified line count default nnnnn is now active. Multi-line variable display output as a result of a DISPLAY GROUP command now uses this default value.

Action
None.

ESWP431E | CGRS431E | FMMS431E | SCFS431E

(rrrr) DEFAULTLINECOUNT nnnnn cannot be higher than the maximum line count xxxxx.

Cause
A SET DEFAULTLINECOUNT command was entered. However the specified value is higher than the currently set MAXLINECOUNT value.

Action
The current global options can be displayed using the DISPLAY GOPT command. Specify a lower DEFAULTLINECOUNT value or increase the MAXLINECOUNT value.

ESWP432I | CGRS432I | FMMS432I | SCFS432I

Unplanned request for device sdddd : ssssssss.

Cause
An unplanned condition (ssssssss) has been recognized for the indicated device (sdddd) and a request has been generated for AutoSwap to swap the device. The unplanned condition was set by the UnplannedCondition keyword when the group was defined:
- **No-Paths** - AutoSwap detected a loss of access to a device. In addition to no physical paths being available, AutoSwap triggers a no-path condition in the additional following circumstances:
  - **No-Paths due to BOXED** - The device was undergoing box processing either via operator command (V dddd,OFFLINE,FORCE) or by IOS to preserve data integrity on the device.
  - **No-Paths due to BOXED RESERVE lost** - The device was undergoing box processing due to a RESERVE loss condition. This is detected during path or device recovery processing in IOS path validation.
  - **No-Paths due to PAGE INTREQ** - The paging device generated an intervention required (intreq) possibly due to a NRDY condition and InterventionRequired is not a UnplannedCondition. Normally an intreq on a paging device results in a disabled WTOR and likely loss of the LPAR. To avert this situation, AutoSwap will consider this as a swap trigger if NoPaths is specified.
- **Intervention-Required** - AutoSwap detected an intervention condition. This would normally occur due to the device being NRDY.
  
  The IOS messages, which are normally produced for the indicated condition, might be suppressed as AutoSwap recognizes and acts on the condition prior to IOS generating a message. However, in some cases IOS may also produce a message to indicate that the condition was recognized for the device.

**Action**
None.
Action
If a validate of the group is required following the completion of the unplanned
AutoSwap request(s), then use the AutoSwap VALIDATE operator command.

ESWP435E | CGRS435E | FMMS435E | SCFS435E

EMCSCF Version vv.rr too low for AutoSwap

Cause
AutoSwap has been started with an SCF at an incompatible level (indicated by vv.rr).

Action
SCF must be at version 5.2 or later. Restart AutoSwap with an SCF at the required
level.

Note
The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide
discusses SCF.

ESWP436I | CGRS436I | FMMS446I | SCFS436I

AutoSwap active with EMCSCF Version vv.rr.

Cause
AutoSwap has been started with an EMCSCF at the indicated level (indicated by
vv.rr).

Action
None.

ESWP437W | CGRS437W | FMMS437W | SCFS437W

EMCSCF is not active. (rrrrr) (PID ppppp)
Checkpoint nn system count mismatch bypassed, expecting xxxx, got yyy.

Cause
EMCSCF was not active at AutoSwap startup. The number of systems expecting to
respond for a swap checkpoint did not match the required value. However, the
FORCE=LOSTSYSTEM option was specified for the group, indicating that the swap is
allowed to continue.

Exercise caution using this option if FORCE=NOLINK was additionally specified. If
message ESWP284W | CGRS284W | FMMS284W | SCFS284W was issued, it is
possible that the FROM device, which could not be set to a Not Ready state, could
still be updated by another host.

Action
EMCSCF must be active to perform processing with AutoSwap. AutoSwap will not
swap shared devices if EMCSCF is not active. Restart AutoSwap with an available
EMCSCF or start EMCSCF. The Dell EMC Mainframe Enablers ResourcePak Base for
z/OS Product Guide describes EMCSCF.
**ESWP438W | CGRS438W | FMMS438W | SCFS438W**

(rrrr) (PID ppppp) Checkpoint nn system count mismatch bypassed, expecting xxxx, got yyy.

**Cause**
The number of systems expecting to respond for a swap checkpoint did not match the required value. However, the FORCE=LOSTSYSTEM option was specified for the group, indicating that the swap is allowed to continue.

Exercise caution using this option if FORCE=NOLINK was additionally specified. If message ESWP284W | CGRS284W | FMMS284W | SCFS284W was issued, it is possible that the FROM device, which could not be set to a Not Ready state, could still be updated by another host.

**Action**
Verify that hosts, which were lost during the swap processing, are no longer active and using the FROM device. The EMSCF Cross System Communication command CSC,DISPLAY,HOSTS may be used to verify the systems available to swap process. The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide presents a description of EMSCF.

**ESWP439E | CGRS439E | FMMS439E | SCFS439E**

(rrrr) Group gggggggg, ID xxxx SWAP by command is not allowed.

**Cause**
An AutoSwap SWAP command was requested by operator command for the indicated group. However, the group was defined through the AutoSwap API and cannot be swapped by operator command.

**Action**
Groups may be defined via API for particular product applications. The swap processing is under the control of that application and cannot be initiated via AutoSwap SWAP command. Determine the creator of the group and refer to any specific product documentation.

**ESWP440I | CGRS440I | FMMS440I | SCFS440I**

(rrrr) (PID ppppp) Phase zz, cross system notification.

**Cause**
AutoSwap is performing the cross system notification as part of the indicated phase (zz). If this is the group owner and the PID represents a shared device, other hosts are involved in the processing at this point.

**Action**
None.

**More Information**
Verbose Level: 2
**ESWP441W | CGRS441W | FMMS441W | SCFS441W**

(rrrr) Group gggggggg device sort failed, RC xxxxxxxx.

**Cause**
An internal service has failed.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the reason for the failure, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.

**ESWP442I | CGRS442I | FMMS442I | SCFS442I**

(rrrr)(PID ppppp) Phase zz, initialize device state information.

**Cause**
AutoSwap is performing initial processing on the device as part of the indicated phase (zz). This includes resetting any internal indicators from prior processing.

**Action**
None.

**More Information**
Verbose Level: 2

**ESWP443E | CGRS443E | FMMS443E | SCFS443E**

(rrrr)(PID ppppp) Device sort failed, RC xxxxxxxx.

**Cause**
An internal service has failed.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESWP445W | CGRS445W | FMMS445W | SCFS445W**

(rrrr)(PID ppppp) FORCE=NOLINK was specified but is not applicable on R2=>R1 SWAP.
Cause
An AutoSwap R2 to R1 SWAP is being attempted, however the R2 cannot be accessed either remotely (SRDF link is not available) or directly. The AutoSwap option FORCE=NOLINK was specified. This has no meaning for an R2 to R1 swap as the R1 must be able to restore modified data from the R2 to ensure a valid R1 copy. AutoSwap fails the swap attempt.

Action
Determine the reason for the link unavailability and try the swap again. The SRDF Host Component commands #SQ LINK and #SQ VOL and operating system command DS P can be used to determine access to the device.

ESWP447W | CGRS447W | FMMS447W | SCFS447W

(rrrrrr)(PID ppppp) rrrrrrrrr waiting xxxx secs for cross system request to be accepted by EMCSCF CSC.

Cause
The indicated request rrrrrrrr (VALIDATE or SWAP) is waiting for the EMCSCF Cross System Communication component (CSC) to accept a cross system request. However, the CSC has not yet accepted the request from AutoSwap. This could indicate that the CSC is very busy or that it cannot process the request due to a missing gatekeeper.

Action
Check other messages to determine whether any additional action is required. In particular, check for EMCSCF messages that might be delaying the AutoSwap request; for example, the gatekeeper messages SCF0603W and SCF0604E.

ESWP448W | CGRS448W | FMMS448W | SCFS448W

(rrrrrr)(PID ppppp) Checkpoint nn waiting xxxx secs for cross system request to be accepted by EMCSCF CSC.

Cause
During a SWAP request the indicated checkpoint (nn) is waiting for the EMCSCF Cross System Communication component (CSC) to accept a cross system request. However, the CSC has not yet accepted the request from AutoSwap. This could indicate that the CSC is very busy or that it cannot process the request due to a missing gatekeeper.

Action
Check other messages to determine whether any additional action is required. In particular check for EMCSCF messages that might be delaying the AutoSwap request; for example, the gatekeeper messages SCF0603W and SCF0604E.

ESWP449W | CGRS449W | FMMS449W | SCFS449W

(rrrrrr)(PID ppppp) Request delayed, currently being processed under PID ppppp.
Cause
The indicated PID could not be processed immediately as it is being processed with another PID as part of ranged device processing.

Action
The request will be processed as soon as the PID completes processing.

ESWP450I | CGRS450I | FMMS450I | SCFS450I

(rrrrr)(PID ppppp) Phase zz, cross system checkpoint 1.

Cause
AutoSwap is performing the first cross system checkpoint as part of the indicated phase (zz). This checkpoint ensures that all I/O is quiesced on all shared systems prior to moving to the next phase. If this is not a cross system request, the checkpoint will not be processed.

Action
None.

ESWP451I | CGRS451I | FMMS451I | SCFS451I

(rrrrr)(PID ppppp) Phase zz, cross system checkpoint 2.

Cause
AutoSwap is performing the second cross system checkpoint as part of the indicated phase (zz). This ensures that all systems are synchronized with the SRDF reconfiguration prior to moving to the next phase. Only the group owning system performs the actual reconfiguration. Other shared systems wait for the completion of the checkpoint to ensure that the devices are in the correct state before moving to the next phase. If this is not a cross system request, the checkpoint will not be processed.

Action
None.

More Information
Verbose Level: 2

ESWP452I | CGRS452I | FMMS452I | SCFS452I

(rrrrr)(PID ppppp) Phase zz, cross system checkpoint 3.

Cause
AutoSwap is performing the third cross system checkpoint as part of the indicated phase (zz). This checkpoint ensures that any reserves held on the FROM devices are transferred to the TO devices prior to moving to the next phase. If this is not a cross system request, the checkpoint will not be processed.

Action
None.
More Information
Verbose Level: 2

ESWP453I | CGRS453I | FMMS453I | SCFS453I

(rrrr)(PID ppppp) Phase zz, cross system checkpoint 4.

Cause
AutoSwap is performing the fourth cross system checkpoint as part of the indicated phase (zz). This checkpoint ensures that all UCB swaps have been completed successfully prior to moving to the next phase. If this is not a cross system request, the checkpoint will not be processed. The successful conclusion of this phase indicates that the swap was successful.

Action
None.

More Information
Verbose Level: 2

ESWP454I | CGRS454I | FMMS454I | SCFS454I

(rrrr)(PID ppppp) Phase xx, swap done.

Cause
Phase following the final checkpoint to indicate the swap was done and considered successful.

Action
None.

More Information
Verbose Level: 2

ESWP455I | CGRS455I | FMMS455I | SCFS455I

(rrrr) All devices in group gggggggg will be swapped due to UNPLANNED=ALL.

Cause
An unplanned AutoSwap condition was triggered as indicated by message ESWP|CGRS|FMMS|SCFS432I. As UNPLANNED=ALL was specified, all devices will be swapped in the indicated group (gggggggg).

Action
None.
ESWP456I | CGRS456I | FMMS456I | SCFS456I

(rrrr) Group gggggggg pre-validation will be performed prior to SWAP due to SWAPCONTROL.

**Cause**
Either SWAPCONTROL=BYRANGE or BYGROUP was specified for the indicated group (gggggggg). To evaluate the ranges of devices required to perform this processing, AutoSwap will prevalidate the group prior to performing swap processing.

**Action**
None.

ESWP457E | CGRS457E | FMMS457E | SCFS457E

(rrrr) (PID ppppp) nnnnn of mmmmm R2 did not go R/W.

**Cause**
AutoSwap attempted to make a number (mmmmmm) of R2s Read/Write; however, some or all of those (nnnnn) failed to change status. Message ESWP012E | CGRS012E | FMMS012E | SCFS012E is produced prior to this message to indicate the devices that failed.

**Action**
AutoSwap might attempt to try the request again. If AutoSwap cannot retry, or the retry fails, backout processing is initiated. If this message has been produced as a result of backout processing, AutoSwap could not return the device to its original R/W state.

Examine the AutoSwap console messages for any other information leading to the failure and/or examine the status of the device(s) using SRDF Host Component, indicated by the ESWP012E | CGRS012E | FMMS012E | SCFS012E message, to determine the reason for the failure.

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the reason for the failure, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.

ESWP458E | CGRS458E | FMMS458E | SCFS458E

(rrrrr) (PID ppppp) nnnnn of mmmmm R2 did not go RO.

**Cause**
AutoSwap attempted to make a number (mmmmmm) of R2s read only; however, some or all of those (nnnnn) failed to change status. Message ESWP013E | CGRS013E | FMMS013E | SCFS013E is produced prior to this message to indicate the devices that failed.

**Action**
AutoSwap might attempt to try the request again. If AutoSwap cannot retry, or the retry fails, backout processing is initiated. If this message has been produced as a
result of backout processing, AutoSwap could not return the device to its original read only state.

Examine the AutoSwap console messages for any other information leading to the failure and/or examine the status of the device(s) using the SRDF Host Component, indicated by the ESWP013E | CGRS013E | FMMS013E | SCFS013E message, to determine the reason for the failure.

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the reason for the failure, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.

ESWP459E | CGRS459E | FMMS459E | SCFS459E

((rrrrr)(PID ppppp) nnnnn of mmmmm R1 did not go TNR.

Cause
AutoSwap attempted to make a number (mmmmm) of R1s Target Not Read (TNR); however, some or all of those (nnnnn) failed to change status. Message ESWP011E | CGRS011E | FMMS011E | SCFS011E is produced prior to this message to indicate the R1 devices (and possibly the R2 affected device) that failed.

Action
AutoSwap might attempt to try the request again. If AutoSwap cannot retry, or the retry fails, backout processing will be initiated. If this message has been produced as a result of backout processing, AutoSwap could not return the device to its original TNR state.

Examine the AutoSwap console messages for any other information leading to the failure and/or examine the status of the device(s) using the SRDF Host Component, indicated by the ESWP011E | CGRS011E | FMMS011E | SCFS011E message, to determine the reason for the failure.

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the reason for the failure, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.

ESWP460E | CGRS460E | FMMS460E | SCFS460E

((rrrrr)(PID ppppp) nnnnn of mmmmm R1 did not go TR.

Cause
AutoSwap attempted to make a number (mmmmm) of R1s Target Ready (TR); however, some or all of those (nnnnn) failed to change status. Message ESWP014E | CGRS014E | FMMS014E | SCFS014E is produced prior to this message to indicate the R1 devices (and possibly the R2 affected device) that failed.

Action
AutoSwap might attempt to try the request again. If AutoSwap cannot retry, or the retry fails, backout processing will be initiated. If this message has been produced as a result of backout processing, AutoSwap could not return the device to its original TR state.
Examine the AutoSwap console messages for any other information leading to the failure and/or examine the status of the device(s) using the SRDF Host Component, indicated by the ESWP014E | CGRS014E | FMMS014E | SCFS014E message, to determine the reason for the failure.

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the reason for the failure, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.

**ESWP461E | CGRS461E | FMMS461E | SCFS461E**

(rrrrr)(PID ppppp) nnnnn of mmmmmm Rx did not go RDF-NRDY.

**Cause**
AutoSwap attempted to make a number (mmmmmm) of R1 or R2s (as indicated by Rx) SRDF Not Ready; however, some or all of those (nnnnnn) failed to change status. Message ESWP081E | CGRS081E | FMMS081E | SCFS081E is produced prior to this message to indicate the devices that failed.

**Action**
AutoSwap might attempt to try the request again. If AutoSwap cannot retry, or the retry fails, backout processing will be initiated. If this message has been produced as a result of backout processing, AutoSwap could not return the device to its original RDF-NRDY state.

Examine the AutoSwap console messages for any other information leading to the failure and/or examine the status of the device(s) using the SRDF Host Component, indicated by the ESWP081E | CGRS081E | FMMS081E | SCFS081E message, to determine the reason for the failure.

Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the reason for the failure, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.

**ESWP462E | CGRS462E | FMMS462E | SCFS462E**

(rrrrr)(PID ppppp) nnnnn of mmmmmm R2 did not go RDY.

**Cause**
AutoSwap attempted to make a number (mmmmmm) of R2s Ready; however, some or all of those (nnnnnn) failed to change status. Message ESWP083E | CGRS083E | FMMS083E | SCFS083E is produced prior to this message to indicate the devices that failed.

**Action**
AutoSwap might attempt to try the request again. If AutoSwap cannot retry, or the retry fails, backout processing is initiated. If this message has been produced as a result of backout processing, AutoSwap could not return the device to its original Ready state.
More Information
Examine the AutoSwap console messages for any other information leading to the failure and/or examine the status of the device(s) using the SRDF Host Component, indicated by the ESWP083E | CGRS083E | FMMS083E | SCFS083E message, to determine the reason for the failure.

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESWP463E | CGRS463E | FMMS463E | SCFS463E

(rrrrr)(PID ppppp) nnnnn of mmmmm R2 did not go NRDY.

Cause
AutoSwap attempted to make a number (mmmmm) of R2s Not Ready; however, some or all of those (nnnnn) failed to change status. Message ESWP083E | CGRS083E | FMMS083E | SCFS083E is produced prior to this message to indicate the devices that failed.

Action
AutoSwap might attempt to try the request again. If AutoSwap cannot retry, or the retry fails, backout processing will be initiated. If this message has been produced as a result of backout processing, AutoSwap could not return the device to its original Ready state.

Examine the AutoSwap console messages for any other information leading to the failure and/or examine the status of the device(s) using the SRDF Host Component, indicated by the ESWP083E | CGRS083E | FMMS083E | SCFS083E message, to determine the reason for the failure.

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESWP464E | CGRS464E | FMMS464E | SCFS464E

(rrrrr)(PID ppppp) Device sdddd ONLINE due to AutoSwap DCE processing. Device taken OFFLINE.

Cause
AutoSwap performed an internal vary device request to build the DCE (DASD Class Extension) in readiness for swap processing. However, the device was inadvertently varied online by this processing. This should not occur where the FROM and TO devices are duplicate copies because the volsers should match, which will prevent duplicate volumes being online at the same time.

Action
AutoSwap will vary the device offline and will not proceed with the swap. Examine the AutoSwap messages to determine the partner device for sdddd and the reason why the volsers did not match.
Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESWP465I | CGRS465I | FMMS465I | SCFS465I

{rrrrr} (PID ppppp) Phase zz, check and initialize DCE.

Cause
AutoSwap is performing DCE (DASD Class Extension) build processing as the indicated phase (zz). The DCE is built in readiness of the swap processing.

Action
None.

ESWP466E | CGRS466E | FMMS466E | SCFS466E

{rrrrr} Group gggggggg backout processing initiated; quiesce reset.

Cause
AutoSwap has detected an error during the processing of a swap request such that all actively swapping devices in the group must be backed out. If this is a BYGROUP swap request (set by the SWAPCONTROL keyword), all devices are backed out to preserve data consistency.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESWP467E | CGRS467E | FMMS467E | SCFS467E

{rrrrr} Group gggggggg backout processing initiated in abend recovery.

Cause
AutoSwap has detected an ABEND during the processing of a swap request such that all actively swapping devices in the group must be backed out. If this is a BYGROUP swap request (set by the SWAPCONTROL keyword), all devices are backed out to preserve data consistency.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
(rrrr) RC xxxxxxxx exceeds allowable MAXRC yyyyyyy. Processing quiesced. [Group processing disabled.]

**Cause**
AutoSwap has detected a condition during processing of a SWAP or VALIDATE request such that a generated RC (xxxxxxxx; displayed as a decimal value) from the processing exceeds the maximum allowed return code (yyyyyyyy; displayed as a decimal value). The maximum allowed return code is set by the AutoSwap option MAXRC. Processing is now quiesced, active requests are allowed to complete and no new requests are stated for the group. Where the group is defined with SWAPCONTROL=BYGROUP, the group now becomes disabled and further swap processing will not be allowed.

**Action**
Other messages are created to indicate the reason for the RC. The maximum allowed RC may be examined using the AutoSwap Display Group SOPT command. The MAXRC value may be increased to allow the error to be logged and processing continue. Additional options might be specifiable to allow for error conditions (for example, AllowSnapSession) and permit the swap to be processed.

**ESWP469W | CGRS469W | FMMS469W | SCFS469W**

Group gggggggg, ID xxxxx is active and cannot be created and REPLACEd by host hhhh (xxxxxxxxxxxxxxxxxx).

**Cause**
A cross system group definition request for group gggggggg was requested by host hhhh. The group definition on that host has the REPLACE specification allowing the group to replace an inactive group. However, the group is already defined and is active on the current AutoSwap.

**Action**
The group gggggggg may be examined on the current host using the AutoSwap Display Group command. If the group is not to be active, delete the group using the AutoSwap DELETE command and try the processing on the hhhh host again. If the group conflicts with a group on the current host, change the group name on the hhhh host to be a unique value. The host ID (xxxxxxxxxxxxxxxxxx) indicates the EMCSCF known host identifier for that host. This is defined by the EMCSCF Cross System Communication component.

**Note**
The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide describes EMCSCF.
**Group gggggggg CFW option changed to OffValidation due to SWAPCONTROL.**

**Cause**
The AutoSwap CFW (Cache Fast Write) option of OFF or RESUME was specified for the group gggggggg. However, either SWAPCONTROL=BYRANGE or BYGROUP was also specified. The CFW option is inconsistent with the allowable values for this type of swap control and therefore changes the value of CFW to OFFVAL. This will result in CFW being turned off during validation processing rather than at swap time.

**Action**
If CFW is to remain on until the swap occurs, the AutoSwap CFW value ALLOW may be specified. However, this will result in active jobs using CFW (for example, Synchsorit) failing at the time the swap occurs and CFW will not be turned on to the target device storage system SSID.

**Device sdddd volser change cannot be performed for R2=>R1 swap.**

**Cause**
The AutoSwap ChangeSourceDevice (CSD) option has been specified to modify the FROM device volser following a successful swap. However, this is not valid where the FROM device is an R2. The request to change the volser is ignored.

**Action**
None.

**'TO' device cannot be located as 'FROM' device for SymDV#/Ctrl#/dddd/ccccc was not resolved.**

**Cause**
AutoSwap could not determine the TO device as the FROM device was not resolved.

**Action**
If the device cannot be located because it is in the EMCSCF EXCLUDE list, and the device is to be processed, add the device to the EMCSCF INCLUDE list.

**Note**
The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide describes EMCSCF.
Group gggggggg SWAP ALL processing bypassed; another active on this host.

**Cause**
An AutoSwap SWAP request was performed for the group gggggggg. Another AutoSwap on the same host is also active for this group and will process the SWAP. This indicates that more than one AutoSwap is active on the host.

**Action**
None.

(PID ppppp) 'FROM' device xxxx has an active Concurrent Copy (CC) session; bypassed.

**Cause**
AutoSwap has detected a concurrent copy (CC) session active on the indicated FROM device. AllowConcurrentCopy was specified for the group, allowing this device to be processed with this condition.

**Action**
If the concurrent copy (CC) session is active at the time the swap takes place, the job utilizing the concurrent copy session will fail. If AutoSwap is not to allow this condition, change the AutoSwap option for the group to (or to the global AutoSwap options) NoAllowConcurrentCopy and DELETE/VALIDATE the group.

(PID ppppp) 'FROM' device xxxx has an active snap source device session; bypassed.

**Cause**
AutoSwap has detected an active snap session for a source device on the indicated FROM device. AllowSnapSession was specified for the group allowing this device to be processed with this condition.

**Action**
The detection of this condition does not necessarily mean that a snap is current in progress, only that an active source snap session has been detected. Further detail on snap source and target usage may be obtained using the TimeFinder/Clone Mainframe SNAP Facility command QUERY VOLUME(UNIT(xxxx)). Completed snap sessions for source devices may be cleaned up using the TimeFinder/Clone Mainframe SNAP Facility command CLEANUP EXTENT TRACK ON UNIT xxxx.

**Note**
The Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide presents more information about this command.
If AutoSwap is not to bypass this condition, change the AutoSwap option for the group (or to the global AutoSwap options) to NoAllowSnapSession and DELETE/VALIDATE the group.

**ESWP476E | CGRS476E | FMMS476E | SCFS476E**

(rrrrr)(PID ppppp) 'FROM' device xxxx cannot have an active snap source device session.

**Cause**
AutoSwap has detected an active snap session for a source device on the indicated FROM device. NoAllowSnapSession was specified for the group causing a validation to fail.

**Action**
The detection of this condition does not necessarily mean that a snap is current in progress, only that an active source snap session has been detected.

Further detail on snap source and target usage may be obtained using the TimeFinder/Clone Mainframe SNAP Facility command QUERY VOLUME(UNIT(xxxx)). Completed snap sessions for source devices may be cleaned up using the TimeFinder/Clone Mainframe SNAP Facility command CLEANUP EXTENT TRACK ON UNIT xxxx.

**Note**
The Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide presents more information about this command.

If AutoSwap is to bypass this condition, change the AutoSwap option for the group (or to the global AutoSwap options) to AllowSnapSession and DELETE/VALIDATE the group.

**ESWP477W | CGRS477W | FMMS477W | SCFS477W**

(rrrrr)(PID ppppp) 'FROM' device xxxx might be in use as a snap target device; bypassed.

**Cause**
AutoSwap has detected that the indicated FROM device has been, or is currently being, used as a snap target device. AllowSnapSession was specified for the group allowing this device to be processed with this condition.

**Action**
The detection of this condition does not necessarily mean that a snap is current in progress, only that the device has been used as a snap target device. You can obtain further details about snap source and target usage using the TimeFinder/Clone Mainframe SNAP Facility command QUERY VOLUME(UNIT(xxxx)).

**Note**
The Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide presents more information about the QUERY VOLUME command.

If AutoSwap is to not bypass this condition, change the AutoSwap option for the group to NoAllowSnapSession and DELETE/VALIDATE the group.
ESWP478E | CGRS478E | FMMS478E | SCFS478E

(rrrr) (PID ppppp) 'FROM' device xxxx might be in use as a snap target device.

**Cause**
AutoSwap has detected that the indicated FROM device has been, or is currently being, used as a snap target device. NoAllowSnapSession was specified for the group causing a validation to fail.

**Action**
The detection of this condition does not necessarily mean that a snap is current in progress, only that the device has been used as a snap target device. You can obtain further detail about snap source and target usage using the TimeFinder/Clone Mainframe SNAP Facility command QUERY VOLUME(UNIT(xxxx)).

**Note**
The Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide presents more information about the QUERY VOLUME command.

If AutoSwap is to bypass this condition, change the AutoSwap option for the group (or to the global AutoSwap options) to AllowSnapSession and DELETE/VALIDATE the group.

ESWP479E | CGRS479E | FMMS479E | SCFS479E

AutoSwap support is not installed.

**Cause**
A command was entered to use the auto swap support of AutoSwap in an environment where CAX is not installed.

**Action**
If CAX support is not installed and is required, contact the Dell EMC Customer Support Center for technical assistance. If CAX is installed, ensure that the correct AutoSwap server environment is being used.

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESWP480E | CGRS480E | FMMS480E | SCFS480E

(rrrr) (PID ppppp) 'FROM' / 'TO' ffff/ tttt cannot swap device out of ConGroup cccccccc to dddddd.

**Cause**
The indicated device FROM device ffff is in consistency group cccccccc and the TO device tttt is in consistency group dddddd. To prevent a device from being moved
out of a consistency group, and therefore create a possible consistency failure, AutoSwap does not allow the device to be swapped.

A ConGroup value of **None** is displayed where a consistency group was not located for the device.

**Action**
If the device must be swapped out of the indicated consistency group, the consistency group must be disabled. After the swap is complete, the consistency group may be enabled.

**Note**
The Dell EMC Mainframe Enablers Consistency Groups for z/OS Product Guide presents further information about enabling and disabling consistency groups.

ESWP481E | CGRS481E | FMMS481E | SCFS481E

{rrrrr}(PID ppppp) 'FROM' device ffff must be in ConGroup cccccccc, is in dddddddd.

**Cause**
The indicated device FROM device ffff is part of a consistency group defined as a ConGroup continuous available group and must be contained in the indicated consistency group cccccccc, however it has been located in the consistency group dddddddd. The group name cccccccc is the same as the AutoSwap group name. AutoSwap will verify that the group may be defined on all accessible hosts and the groups are consistent with ConGroup on these hosts.

A ConGroup value of **None** is displayed where a consistency group was not located for the device.

This error can indicate a mismatch in consistency group definitions between LPARs.

**Action**
Ensure that the indicated device is contained in the indicated group and that the group is enabled.

**Note**
The Dell EMC Mainframe Enablers Consistency Groups for z/OS Product Guide presents further information about continuously available group definitions.

ESWP482W | CGRS482W | FMMS482W | SCFS482W

{rrrrr}(PID ppppp) ConGroup cccccccc has precluded AutoSwap swap processing in phase xxxxx (lllll/mmm).

**Cause**
An AutoSwap swap was initiated for a continuous available group. However, during the swap process a condition has occurred such that ConGroup is preventing (precluding) the swap completing. This would normally occur due to an SRDF link failure during the swap processing. AutoSwap was currently processing phase xxxxx. llll and mmmm indicate diagnostic information relating to the consistency group and AutoSwap lock status.
**Action**
Examine the ConGroup system messages (WTOs) for information as to why ConGroup precluded AutoSwap. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESWP483S | CGRS483S | FMMS483S | SCFS483S**

(\textit{rrrrr}) AutoSwap group \textit{gggggggg} has lost access to owner host \textit{hhhh}(xxxxxxxxxxxxxxxx). Lost owner policy instigated.

**Cause**
An AutoSwap swap is in progress for the indicated group and this is not the owner host. During the swap it has been found that the owner host (\textit{hhhh}) cannot be contacted through the EMCSCF Cross System Communication component. Message ESWP484E | CGRS484E | FMMS484E | SCFS484E is displayed to indicate the known reasons for the loss of contact with the owner host. A lost owner policy was defined for this group and will be instigated to prevent incorrect data access.

**Action**
Examine the message ESWP484E | CGRS484E | FMMS484E | SCFS484E to determine the reason for the lost access. If the lost owner policy is set to OPERATOR, AutoSwap will DOM the message if access to the owner host is reestablished.

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESWP484E | CGRS484E | FMMS484E | SCFS484E**

(\textit{rrrrr}) Group \textit{gggggggg} owner host \textit{hhhh} (xxxxxxxxxxxxxxxx): \textit{rrrrrrrr}.

**Cause**
Written when an AutoSwap swap is in progress for the indicated group, and the owner host cannot be contacted through the EMCSCF Cross System Communication component. The reason for the loss of contact is indicated by \textit{rrrrrrrr}.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESWP485A | CGRS485A | FMMS485A | SCFS485A**

(\textit{rrrrr}) Reply HOLDIO, BACKOUT, SYSRESET, TAKEOVERas owner.

**Cause**
The lost owner policy OPERATOR is being instigated as indicated by message ESWP483S | CGRS483S | FMMS483S | SCFS483S and/or ESWP484E | CGRS484E |
FMMS484E | SCFS484E. This WTOR allows the policy end point to be selected based on site operating policy. While this message is displayed, the I/O will be quiesced to the FROM devices in the AutoSwap group. If contact is reestablished with the group owner, this message will be DOM’d and processing continues.

HOLDIO

All IO for devices in the swap group will remain held. This will prevent any further access by this host to these devices. An IPL must be performed to allow access to the devices.

BACKOUT

A backout process is performed on the current host to return devices that are in process of being swapped to their original state.

SYSRESET

The current host is reset and a non-restartable wait state is generated. This will prevent any further access by this host to any devices. An IPL must be performed to allow access to the devices.

TAKEOVERasowner

Allow the current host to take over the responsibility of being the owner of the group and continue with the swap processing. The owner cannot be ‘alive’ for this option to be selected. This option must only be selected on a single host. Careful usage of this option must be exercised.

Action
Select the appropriate policy.

Choose BACKOUT and TAKEOVERasowner only if the owner host is no longer active. Otherwise, it is possible that the owner could be actively operating on the TO device and (if the TO devices cannot be reset to NRDY) non-owners on the FROM device.

If the reason for the contact failure cannot be determined, review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESWP486E | CGRS486E | FMMS486E | SCFS486E

(rrrrr)(PID ppppp) 'FROM' device ffff is in non-Continuous Available ConGroup ccccccccc.

Cause
The indicated device FROM device ffff must be contained in a continuous available consistency group ccccccccc. However, it is defined in a normal consistency group. The group name ccccccccc is the same as the AutoSwap group name. AutoSwap will verify that the group may be defined on all accessible hosts and the groups are consistent with ConGroup on these hosts.

This error can indicate a mismatch in consistency group definitions between LPARs.

Action
Ensure that the indicated device is contained in the indicated group and that the group is enabled.
AutoSwap server mode is not installed.

Cause
AutoSwap is being started in server mode, however the License Feature Code (LFC) for this mode of operation is not installed. AutoSwap cannot be started.

Action
If AutoSwap server support is installed and the correct license feature code has been entered into the SCFINI file, ensure that the correct AutoSwap server and EMCSCF environment is being used.

If the correct AutoSwap server and EMCSCF environment is being used, review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

Command or option support is not installed.

Cause
An AutoSwap command or option is being used where the License Feature Code (LFC) for this feature is not installed.

Action
If AutoSwap support for command or option is not installed and is required, contact the Dell EMC Customer Support Center for technical assistance.

If the support is installed and the correct license feature code has been entered into the SCFINI file, ensure that the correct AutoSwap server and EMCSCF environment is being used.

If the correct AutoSwap server and EMCSCF environment is being used, review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide describes how to install LFCs.

**ESWP489E | CGRS489E | FMMS489E | SCFS489E**

\[(rrrrr) (PID ppppp) 'FROM'/'TO' ffff/tttt are in Continuous Available ConGroup cccccccc.\]

**Cause**
The indicated device FROM device ffff and TO device tttt are contained in the continuous available consistency group cccccccc. However, the AutoSwap group is not part of the continuous available group. AutoSwap cannot process the swap request.

**Action**
If the device must be swapped, the consistency group must be disabled. After the swap is complete, the consistency group may be enabled.

**Note**
The Dell EMC Mainframe Enablers Consistency Groups for z/OS Product Guide presents further information about enabling and disabling groups.

**ESWP490E | CGRS490E | FMMS490E | SCFS490E**

\[(xxxxx) (PID xxxx) 'FROM' device xxxx Continuous Available ConGroup xxxxxxxxxx is DISABLED.\]

**Cause**
The indicated device FROM device ffff is correctly contained in the continuous available consistency group cccccccc. However, the consistency group is currently disabled.

**Action**
Enable the consistency group.

**Note**
The Dell EMC Mainframe Enablers Consistency Groups for z/OS Product Guide presents further information about enabling and disabling groups.

**ESWP491I | CGRS491I | FMMS491I | SCFS491I**

\[(rrrrr) (PID ppppp) Phase xx, rebind PAV.\]

**Cause**
Informational message to indicate that AutoSwap is currently rebinding PAV aliases for swapped devices.
Action
None.

ESWP492W | CGRS492W | FMMS492W | SCFS492W

Group gggggggg, no complementary group cccccc found.

Cause
The complement group cccccc cannot be located for the define group gggggggg command. The group cccccc must be defined prior to gggggggg.

Action
Specify a correct complement group name. The current groups may be examined using the AutoSwap DISPLAY GROUP * command.

ESWP493W | CGRS493W | FMMS493W | SCFS493W

Group gggggggg, cannot complement group cccccc. Already complemented by dddddddd.

Cause
The group ccccccc cannot be complemented by the define group gggggggg command as group ccccccc is already complemented by group dddddddd.

Action
If group gggggggg is to complement group ccccccc, dddddddd must be deleted using the AutoSwap DELETE operator command.

ESWP494E | CGRS494E | FMMS494E | SCFS494E

(rrrr) Group gggggggg, complement error with cccccc, RS xxxxxxxxxx.

Cause
The group gggggggg is attempting to process with the complement group cccccc but has encountered an error as indicated by the reason code xxxxxxxx:

<table>
<thead>
<tr>
<th>RS 0</th>
<th>The complement group no longer exists.</th>
</tr>
</thead>
<tbody>
<tr>
<td>RS 1</td>
<td>The groups do not validly complement each other.</td>
</tr>
<tr>
<td>RS 2</td>
<td>The groups do not validly complement each other.</td>
</tr>
</tbody>
</table>
A virtual storage shortage exists and a device could not be added to the complementing group.

**Action**

AutoSwap cleanup of the complement groups might have disassociated them where a RS 1 or RS2 was returned. RS3 indicates a virtual storage shortage, requiring a larger REGION specification for the job.

**ESWP495W | CGRS495W | FMMS495W | SCFS495W**

*Group gggggggg, complementing group cccccccc definition must be on the owner host hhhh.*

**Cause**

The group *gggggggg* can only be defined with the complement group *cccccccc* on the AutoSwap owner system.

**Action**

Define the group on the owner host.

**ESWP496W | CGRS496W | FMMS496W | SCFS496W**

*Group gggggggg, cannot complement group cccccccc while group is being swapped. Try again later.*

**Cause**

The group *gggggggg* cannot be swapped while the complement group *cccccccc* is being swapped.

**Action**

Wait until the swap of group *cccccccc* completes and try the swap request again.

**ESWP497W | CGRS497W | FMMS497W | SCFS497W**

*Group gggggggg, cannot complement group cccccccc. Group is not eligible.*

**Cause**

The group *gggggggg* cannot complement group *cccccccc* as it contains non-SRDF devices. Only SRDF device groups can be complemented.

**Action**

None.

**ESWP498E | CGRS498E | FMMS498E | SCFS498E**

*Message prefix must be 4 characters.*
Cause
The MESSAGEPREFIX (MSGP) for the AutoSwap options has been incorrectly entered. The prefix must be four (4) characters.

Action
Enter a four-character prefix.

ESWP499E | CGRS499E | FMMS499E | SCFS499E

(rrrrr) Group gggggggg, must be revalidated prior to swap.

Cause
The indicated group is defined with SWAPCONTROL=BYGROUP and an invalid device has been located during swap or validate processing. The group must be completely valid to perform BYGROUP processing.

Action
Examine other AutoSwap messages to determine the reason for the invalid device and validate the group again.

ESWP500W | CGRS500W | FMMS500W | SCFS500W

(rrrrr) ConGroup cccccc has precluded AutoSwap processing (llll/mm).

Cause
AutoSwap processing (either a validate or swap) was initiated for a continuous available group. However, a condition has occurred such that ConGroup is preventing (precluding) the AutoSwap processing from continuing for this group. This could occur due to a SRDF link failure during the swap processing. llll and mmmm indicate diagnostic information relating to the ConGroup and AutoSwap lock status. AutoSwap allows the consistency group processing to complete successfully and will not allow a swap condition to take place.

Action
Examine the ConGroup system messages (WTOs) for information as to why ConGroup precluded AutoSwap. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESWP501E | CGRS501E | FMMS501E | SCFS501E

(rrrrr) ConGroup cccccc is not defined, RS xxxxxxxxx.

Cause
The indicated consistency group is not defined for AutoSwap processing. The reason code xxxxxxxxx indicates the reason for the failure:

<table>
<thead>
<tr>
<th>RS 12</th>
<th>ConGroup is not active.</th>
</tr>
</thead>
</table>

ESWP499E | CGRS499E | FMMS499E | SCFS499E
The group name `cccccccc` is the same as the AutoSwap group name. AutoSwap will verify that the group may be defined on all accessible hosts and the groups are consistent with ConGroup on these hosts.

This error can indicate a mismatch in consistency group definitions between LPARs.

**Action**

Ensure that the indicated group is correctly defined to congroup on all LPARs.

---

**ESWP502W | CGRS502W | FMMS502W | SCFS502W**

(rrrr) (PID ppppp) EMCSCF cannot locate 'FROM' device UCB for CCA/SSID/Ctrl# uu/ssss/ccccc-cccc for a cross system request.

**Cause**

AutoSwap is attempting to resolve a device using EMCSCF. However, the device defined by the CCA (uu), or channel connection address; SSID (ssss) subsystem ID; and storage system serial number (ccccccc-ccccc) is not defined. The CCA is the address of the device as seen by the channel as presented by the DEVSERV PATHS z/OS operator command.

**Action**

If the device is to be swapped and it is defined on this image (LPAR), specify the device in the INCLUDE list to EMCSCF and restart SCF, or issue the following SCF commands:

- INI,REFRESH
- DEV,REFRESH

---

**ESWP503W | CGRS503W | FMMS503W | SCFS503W**

(rrrr) 'TO' device cannot be located as 'FROM' device for CCA/SSID/Ctrl# uu/ssssssss/ccccc-cccc was not resolved.

**Cause**

AutoSwap could not determine the SRDF TO device as the FROM device was not resolved.

**Action**

If the device cannot be located because it is in the EMCSCF EXCLUDE list, and the device is to be processed, add the device to the EMCSCF INCLUDE list.

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**Note**

The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide presents more information.

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**ESWP504W | CGRS504W | FMMS504W | SCFS504W**

(rrrr) (PID ppppp) 'FROM' device sdddd is not EMC; non-EMC SWAP.
Cause
The FROM device is not a Dell EMC PowerMax or VMAX device. However, this processing was initiated by an external product requesting a non-Dell EMC swap. Processing continues.

Action
None.

More Information
Verbose Level: 4

ESWP505W | CGRS505W | FMMS505W | SCFS505W

(rrrr) (PID ppppp) ''TO'' device sdddd is not EMC; non-EMC SWAP.

Cause
The TO device is not a Dell EMC PowerMax or VMAX device. However, this processing was initiated by an external product requesting a non-Dell EMC swap. Processing continues.

Action
None.

Verbose Level: 4

ESWP506E | CGRS506E | FMMS506E | SCFS506E

(rrrr) (PID ppppp) EMCSCF support not installed; cannot determine device.

Cause
AutoSwap is attempting to locate device information using EMCSCF, however the appropriate SCF maintenance is not installed on the currently running SCF.

Action
Ensure that the appropriate EMCSCF maintenance is correctly installed for this level of AutoSwap. Additional EMCSCF refresh processing may be required to activate the EMCSCF support.

Note
The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide presents more information.

ESWP507W | CGRS507W | FMMS507W | SCFS507W

(rrrr) (PID ppppp) Device modifications delayed by IOS recovery; xxxxxxxx of yyyyyyyy completed.

Cause
During the UCB swap phase of AutoSwap processing, IOS recovery being performed by the operating system was detected. The number of devices processed and those still to be processed is indicated by xxxxxxxx and yyyyyyyy respectively. Swap
processing will be delayed until IOS recovery completes and allows the swap processing to continue. AutoSwap waits for a short period of time before trying the swap again.

**Action**
None.

**ESWP508I** | **CGRS508I** | **FMMS508I** | **SCFS508I**

<rrrr><PID ppppp> Phase zz, build priority swap structures.

**Cause**
AutoSwap is building the swap structures necessary to perform high priority swap processing as part of the indicated phase (zz). This phase is only required for groups containing high priority devices, for example, devices containing page datasets.

**Action**
None.

**More Information**
Verbose Level: 2

**ESWP509I** | **CGRS509I** | **FMMS509I** | **SCFS509I**

<rrrr><PID ppppp> Phase zz, valid for swap.

**Cause**
AutoSwap has completed validation for the device as part of the indicated phase (zz).

**Action**
None.

**More Information**
Verbose Level: 2

**ESWP510I** | **CGRS510I** | **FMMS510I** | **SCFS510I**

<rrrr><PID ppppp> Phase zz, respond swap complete.

**Cause**
AutoSwap completed swap processing for the device and is responding to internal requestors as part of the indicated phase (zz).

**Action**
None.

**More Information**
Verbose Level: 2
ESWP511I | CGRS511I | FMMS511I | SCFS511I

(rrrr)(PID ppppp) Phase zz, release source reserves.

Cause
AutoSwap has completed reserve cleanup processing for the source device as part of the indicated phase (zz).

Action
None.

More Information
Verbose Level: 2

ESWP512I| CGRS512I | FMMS512I | SCFS512I

(rrrr)(PID ppppp) I/O resumption complete; [high priority] swap cleanup commencing.

Cause
AutoSwap completed all phases of swap processing which required the suspension of I/O activity. I/O activity is now resumed and application access to the device is now available. "High priority" indicates the completion of a high priority swap range; for example, a swap of devices containing page datasets. Swap cleanup for these devices is done following the cleanup of non-priority devices.

- If SWAPCONTROL=BYGROUP, a single message will be displayed indicating that all devices have been successfully swapped in a consistent operation.
- If SWAPCONTROL=BYRANGE, this message is displayed for each range of devices processed by the indicated PID.
- If SWAPCONTROL=BYDEVICE, this message is displayed for every device processed as indicated by the PID.

All phases of AutoSwap processing following this message are to perform cleanup and housekeeping functions. The completion of this cleanup processing is indicated for each device by ESWP093I | CGRS093I | FMMS093I | SCFS093I.

Action
None.

ESWP513I | CGRS513I | FMMS513I | SCFS513I

(rrrr)(PID ppppp) I/O suspend complete; [high priority] swap commencing.

Cause
AutoSwap has suspended I/O processing to allow the following swap phases to be performed. This is the point at which normal I/O is not allowed, and indicates the beginning of the swap processing. "High priority" indicates the commencement of a high priority swap range; for example, a swap of devices containing page datasets. Swap processing for these devices is done independently and at a higher priority level than normal devices.
If SWAPCONTROL=BYGROUP, a single message will be displayed indicating that all devices have been successfully suspended to allow for a consistent swap operation.

If SWAPCONTROL=BYRANGE, this message is displayed for each range of devices processed by the indicated PID.

If SWAPCONTROL=BYDEVICE, this message is displayed for every device processed as indicated by the PID.

The swap processing is indicated as complete by the subsequent ESWP512I | CGRS512I | FMMS512I | SCFS512I message.

**Action**
None.

**ESWP514I | CGRS514I | FMMS514I | SCFS514I**

(rrrrr)(PID ppppp) Phase zz, quiesce I/O.

**Cause**
AutoSwap is quiescing I/O to ensure there are no active I/O requests as part of the indicated phase (zz).

**Action**
None.

**More Information**
Verbose Level: 2

**ESWP515I | CGRS515I | FMMS515I | SCFS515I**

(rrrrr) Group gggggggg completed due to RETAIN SWAPCMPLT specification.

**Cause**
All devices in the indicated group (gggggggg) have successfully completed swap processing and the AutoSwap option RETAIN=SWAPCMPLT was specified for the group. The group is terminated.

**Action**
None.

**ESWP516I | CGRS516I | FMMS516I | SCFS516I**

(rrrrr) Group gggggggg terminated due to complement group cccccc termination; no devices swapped.

**Cause**
The indicated group (gggggggg) is defined as a COMPLEMENT group and contains no devices. The indicated owning group (cccccccc) has terminated without swapping any devices.
ESWP517I | CGRS517I | FMMS517I | SCFS517I

Action
None.

ESWP517I | CGRS517I | FMMS517I | SCFS517I

(rrrrr) High priority swap processing initiated.

Cause
A planned or unplanned swap has been initiated for a range of high priority devices; for example, a swap of devices containing page datasets. Swap processing for these devices is done independently and at a higher priority level than normal devices.

Action
None.

ESWP518W | CGRS518W | FMMS518W | SCFS518W

(rrrrr) (PID ppppp) Volume vvvvvv has XCF couple data sets: couple_dataset_name [More...]

Cause
The indicated volume (vvvvvv) contains XCF couple datasets. This situation will not prevent swap processing as the ALLOWCOUPLEDATASETS option was specified for the group. The couple datasets located on the volume are displayed in MLWTO format following the ESWP079E | CGRS079E | FMMS079E | SCFS079E message. The 'More...' line is displayed if more than 8 couple datasets are found.

Action
Not all couple datasets are eligible to be swapped. The specification of ALLOWCOUPLEDATASETS must only be done for certain LOGR couple datasets. The description of ALLOWCOUPLEDATASETS in the Dell EMC Mainframe Enablers Consistency Groups for z/OS Product Guide provides further information.

ESWP519I | CGRS519I | FMMS519I | SCFS519I

(rrrrr) (PID ppppp) R1|R2 command complete for symdv# llllllll[-hhhhhhhh]; cccccc

Cause
An SRDF reconfiguration command (ccccccc) has completed for the SRDF R1 or R2 device type. The range of devices affected by the command is indicated by llllllll and hhhhhhhhhh. The reconfiguration commands displayed by cccccc are as follows:

- RDF-NRDY;HIPRIORITY
  High priority reconfiguration of the R1 has completed RDF-NRDY processing.
- R/W;HIPRIORITY
  High priority reconfiguration of the R2 has completed R/W processing.
- RDF-RDY;HIPRIORITY
  High priority reconfiguration of the R2 has completed RDF-RDY processing.
- RDY;HIPRIORITY
  High priority reconfiguration of the R2 has completed RDY processing.
ESWP520W | CGRS520W | FMMS520W | SCFS520W

(rrrrr)(PID ppppp) Cross system count mismatch allowed. Located xxxx, required yyyy.

Cause
During validation processing, a system count mismatch has been detected and bypassed by the AllowSystemsCountMismatch AutoSwap option. Message ESWP100E | CGRS100E | FMMS100E | SCFS100E and ESWP528E | CGRS528E | FMMS528E | SCFS528E for additional details. Note that in contrast with message ESWP100E | CGRS100E | FMMS100E | SCFS100E, message ESWP195I | CGRS195I | FMMS195I | SCFS195I is only displayed if at least verbose level 3 is set.

Action
Careful use of the AllowSystemsCountMismatch AutoSwap option must be exercised, especially where the ChangeSourceDevice=NONRDY option has also been selected, as hosts might incorrectly access different devices at the conclusion of the swap.

ESWP521W | CGRS521W | FMMS521W | SCFS521W

(rrrrr)(PID ppppp) 'FROM' device sdddd is High Priority on host hhhh (xxxxxxxxxxxxxxxxxxxx). [ UsrNRDY not supported.]

Cause
The current group contains the high priority device sdddd for host hhhh that are online to this host. High priority devices should be online only to a single host as indicated by hhhh.

The host ID (xxxxxxxxxxxxxxxxxxxx) indicates the EMCSCF known host identifier for that host. This is defined by the EMSCSC 'UsrNRDY not supported.' is appended to the message where the host does not support the CSD=USRNRDY processing for High Priority.

Action
Vary the device offline to this host.

ESWP522W | CGRS522W | FMMS522W | SCFS522W

(rrrrr)(PID ppppp) High Priority device sdddd is online to other hosts. Online hosts xxxx, required yyyy.

Cause
This host has high priority swap devices that are online to other hosts. The number of hosts with this device is indicated by the yyyy count, which represents the number of non-disbanded path groups for the device. High priority devices should be online only to a single host.
**Action**
Message ESWP195I | CGRS195I | FMMS195I | SCFS195I is displayed to indicate which path groups are defined for devices and hosts active for this group. Verify with the indicated hosts to determine which host has the device online and vary the device offline to that host.

**ESWP525I | CGRS525I | FMMS525I | SCFS525I**

(rrrrr) VALIDATE of group gggggggg is pending current validation completion.
[ UsrNRDY not supported.]

**Cause**
The current group contains the high priority device sdddd for host hhhh that are online to this host. High priority devices should be online only to a single host as indicated by hhhh.

The host ID (xxxxxxxxxxxxxxxx) indicates the EMCSCF known host identifier for that host. This is defined by the EMCSCF.

'UsrNRDY not supported.' is appended to the message where the host does not support the CSD=USRNRDY processing for High Priority.

**Action**
Vary the device offline to this host.

**ESWP526I | CGRS526I | FMMS526I | SCFS526I**

(rrrrr) Revalidation on SWAP of group gggggggg is pending, validation is currently in progress.

**Cause**
A SWAP with validation has been requested for the indicated group (gggggggg). However, the group is currently being validated. A revalidation of the group will occur after the current validation completes and prior to the swap being performed.

**Action**
None.

**ESWP527E | CGRS527E | FMMS527E | SCFS527E**

Group gggggggg, ID rrrrr is not owned by, and cannot be processed by, host hhhh (xxxxxxxxxxxxxxxx).

**Cause**
A cross system request was received from host hhhh, for the indicated group (gggggggg). However the group does not belong to the indicated host, or this is an old occurrence of the group.

The host ID (xxxxxxxxxxxxxxxx) indicates the EMCSCF known host identifier for that host. This is defined by the EMCSCF Cross System Communication component.
**Note**

The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide describes EMCSCF.

**Action**

Issue the AutoSwap command `DISPLAY GROUP ggggggg` on the host receiving the message to determine the owner of the group. If this is an old group definition for host `hhhh` (examine the definition date for the group), it may be necessary to delete the group using the `DELETE GROUP ggggggg` command.

Otherwise, issue the `VALIDATE GROUP ggggggg` command on the owner host (`hhhh`) to force revalidation of the group.

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**ESWP528E | CGRS528E | FMMS528E | SCFS528E**

`(rrrrr)(PID ppppp) Cross system count path group mismatch error. Located xxxx, unmatched yyyy.`

**Cause**

During validation processing for a group defined with `NOLocalSystemCountMismatch =PATHGRP`, a system count mismatch was detected. See message ESWP100E | CGRS100E | FMMS100E | SCFS100E for additional details.

The located system count is indicated by `xxxx`.

**Action**

Ensure that AutoSwap is running on all hosts indicated by the 'Path group warning' lines in this message.

**More Information**

The count of path groups defined to the device (LPARs with the device online) but not represented by an AutoSwap is indicated by `yyyy`. Message ESWP195I | CGRS195I | FMMS195I | SCFS195I is written to indicate the hosts and the path groups which are required to satisfy the request. In addition, devices with the detected mismatch may be displayed using the `DISPLAY GROUP DETAIL FIND !` command (the `!` indicator on the display detail command shows those devices with a count mismatch).

A system count mismatch can be bypassed using the `AllowSystemCountMismatch` AutoSwap option. Careful use of this option must be exercised as hosts may incorrectly access different devices at the conclusion of the swap.

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**ESWP529I | CGRS529I | FMMS529I | SCFS529I**

`rrrrr Group gggggggg unplanned swap from local detection.`

**or**

`(rrrrr) Group gggggggg unplanned swap from host hhhh (xxxxxxxxxxxxxxxxxx).`

**Cause**

An unplanned swap trigger has occurred for the indicated group `gggggggg`. If the swap trigger occurred on the local host (local detection), the first form of the
message is displayed. Other messages would have been displayed previously to indicate what swap trigger has occurred (see message ESWP432I | CGRS432I | FMMS432I | SCFS432I).

**Action**
None.

**More Information**
If the swap trigger occurred on another host prior to the local host detecting the condition, the host ID (xxxxxxxxxxxxxxxx) indicates the EMCSCF known host identifier for that host. This is defined by the EMCSCF Cross System Communication (CSC) component.

**Note**
The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide describes CSC.

**ESWP530I | CGRS530I | FMMS530I | SCFS530I**

(rrrrr) Group gggggggg scheduled VALIDATE from host hhhh (xxxxxxxxxxxxxxxx).

or

(rrrrr) Group gggggggg scheduled SWAP from host hhhh (xxxxxxxxxxxxxxxx).

**Cause**
A VALIDATE or SWAP has been requested for the indicated group (gggggggg).

**Action**
None.

**More Information**
The host requesting the VALIDATE or SWAP is identified by the host ID hhhh and the EMCSCF known host identifier for that host (xxxxxxxxxxxxxxxx). This is defined by the EMCSCF Cross System Communication (CSC) component.

**Note**
The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide describes CSC.

This message is only issued for groups defined with SWAPCONTROL of BYGROUP or BYRANGE where the group contains more than 1 device. Message ESWP179I | CGRS179I | FMMS179I | SCFS179I is generated for groups defined as BYDEVICE or for single device groups.

**ESWP531W | CGRS531W | FMMS531W | SCFS531W**

(rrrrr) (PID ppppp) jjjj swap completion notification failed RC xxxxxxxxxx.
**Cause**
During swap completion processing, the primary JES, indicated by `jjjj`, was notified of the completion of the swap. The call to this function completed with the indicated return code `xxxxxxxx`.

**Action**
If the return code is not 4 and the primary JES is JES3, examine the IEFSSREQ return codes in the IBM z/OS MVS Using the Subsystem Interface documentation. These codes are defined by the return codes from the z/OS IEFSSREQ function. If a return code value of 4 is processed, subsequent JES notification calls for this group are not performed. This is normal where JES2 is the primary JES. If the return codes are x'C' (12), x'10' (16) or x'14' (20), this might indicate an internal error. Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.

For other return codes there could be an issue with the primary JES (for example, not currently active).

**More Information**
Verbose Level: 3

**ESWP532I | CGRS532I | FMMS532I | SCFS532I**

BOX processing delayed for device `sdddd` by AutoSwap processing.

**Cause**
During swap processing, the indicated device (`sdddd`) was requested to be boxed (forced offline) by IOS recovery. To allow the swap to complete successfully, the box processing is being delayed by AutoSwap.

**Action**
None.

**ESWP533W | CGRS533W | FMMS533W | SCFS533W**

`(rrrrr)(PID `ppppp`) Device modifications delayed, IOS recovery reset; `xxxxxxxx` of `yyyyyyyy` completed.

**Cause**
During the UCB swap phase of AutoSwap processing, IOS recovery being performed by the operating system was detected. The number of devices processed and those still to be processed is indicated by `xxxxxxxx` and `yyyyyyyy` respectively. Swap processing has been delayed by an IO being performed by IOS recovery that has remained pending and is preventing the swap from completing. IOS recovery is reset for the device and will be performed on swap completion.

**Action**
None.
ESWP534I | CGRS534I | FMMS534I | SCFS534I

(rrrr) Group gggggggg owner host changed to hhhh (xxxxxxxxx). 

Cause
The owner host for the indicated group has been changed to hhhh. This would normally be done in response to the LostOwnerPolicy during swap processing.

If a swap was in progress, the indicated host will take over the owner function of the swap processing. The current host continues to display the LostOwnerPolicy WTOR (see ESWP485A | CGRS485A | FMMS485A | SCFS485A) until the owner has generated the next checkpoint. Then, the ESWP|CGRS|FMMS|SCFS485A will be DOM'd.

The host ID (xxxxxxxxx) indicates the EMCSCF known host identifier for that host. This is defined by the EMCSCF Cross System Communication component.

Note
The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide describes CSC.

Action
None.

ESWP535W | CGRS535W | FMMS535W | SCFS535W

(rrrr) Group gggggggg owner change not done. Host hhhh (xxxxxxxxx) is owner.

or

(rrrr) Group gggggggg owner change not done. Host hhhh (xxxxxxxxx) is also requesting to be owner.

Cause
A request to change the owner host to the current host has failed for the indicated reason:

- is owner.
  There is already an assigned owner for the indicated group as indicated by the host hhhh and it is currently performing swap processing for the group.

- is also requesting to be owner.
  The indicated host hhhh is also requesting to take ownership of this group. This can occur if the TAKEOVERasowner response for WTOR ESWP485A | CGRS485A | FMMS485A | SCFS485A was entered on multiple hosts.

Action
Examine the current owner host using the AutoSwap DISPLAY GROUP gggggggg command. If the host is still 'alive,' allow it to complete the swap. If the owner host is no longer 'alive', reissue the TAKEOVERasowner response on the system intending to be the new owner. This response must only be entered to a single system.
**ESWP536I | CGRS536I | FMMS536I | SCFS536I**

(rrrr) Group ggggggg owner change accepted; continuing swap as owner.

**Cause**
The request to change the group owner to the current host has been accepted by all surviving participants of the AutoSwap swap processing. This was in response to the TAKEOVERasowner request performed on the LostOwnerPolicy. The current host continues processing the swap from the beginning of the current checkpoint. Surviving hosts will remain in their LostOwnerPolicy until the new owner completes processing and generates the next checkpoint.

**Action**
None.

**ESWP538E | CGRS538E | FMMS538E | SCFS538E**

(rrrr) (PID ppppp) Error obtaining CA OPS/MVS status, RC/RS/ERS xxxxxxxx/yyyyyyyy/zzzzzzzz

**Cause**
An internal error occurred while determining if the Computer Associates OPS/MVS product is present on the current LPAR. The RC, RS, and ERS indicate the reason for the failure and are displayed for diagnostic purposes. AutoSwap assumes that OPS/MVS is not active.

**Action**
This indicates an internal error, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log. If Computer Associates OPS/MVS is not active or OPS/MVS does not have its OPSLOG or SYSCHK1 datasets on devices being processed by AutoSwap, this message may be ignored. If OPS/MVS does have its OPSLOG or SYSCHK1 datasets on a device being processed by AutoSwap, remove them from the group and delete (disable for CAX) and validate (enable for CAX) the new group definition.

**ESWP539W | CGRS539W | FMMS539W | SCFS539W**

(rrrr) (PID ppppp) OPS/MVS interface not available: ASID: aaaa, Subsystem: ssss, Jobname: jjjjjjjjjj

**Cause**
Computer Associates OPS/MVS is active on the current LPAR. However, the interface support is not installed for the OPS/MVS address space(s) identified by ASID (aaaa), subsystem ID (ssss) and jobname (jjjjjjjjjj). Each OPS/MVS is displayed as a line in this message. AutoSwap cannot determine what devices OPS/MVS is using for its OPSLOG and SYSCHK1 datasets.
Action
Contact Computer Associates to obtain the OPS/MVS interface maintenance necessary for AutoSwap or contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log. If Computer Associates OPS/MVS does not have its OPSLOG or SYSCHK1 datasets on devices being processed by AutoSwap, this message may be ignored. If OPS/MVS does have its OPSLOG or SYSCHK1 datasets on a device being processed by AutoSwap, remove them from the group and delete (disable for CAX) and validate (enable for CAX) the new group definition.

ESWP540I | CGRS540I | FMMS540I | SCFS540I

(rrrrr)(PID ppppp) OPS/MVS subsystem ssss high priority on sddddd for DSN dsn

Cause
Computer Associates OPS/MVS is active on the current LPAR and has datasets contained on an AutoSwap device (sddddd). This message indicates the OPS/MVS subsystem (ssss) and the OPSLOG or SYSCHK1 dataset (dsn) contained on the device. These devices will be managed as a high priority swap device. This is done to enable OPS/MVS to be available in a more expedient manner and to allow automated operations to continue.

Action
None.

More Information
Verbose Level : 3. This message will always be displayed the first time an OPS/MVS dataset is detected on an AutoSwap device. A subsequent validation will result in this message being displayed with verbose level 3.

ESWP541E | CGRS541E | FMMS541E | SCFS541E

(rrrrr)(PID ppppp) EMCSCF CSC error during gatekeeper determination for ctrl# ccccc, [eeeeeeee][RC/RS xxxxxxxx/yyyyyyyy]

Cause
A device is not defined on this LPAR or was excluded in EMCSCF. To access the device, a gatekeeper (an accessible device) to the storage system (cccc) is required. The EMCSCF Cross System Communication component gatekeeper is also used as the AutoSwap gatekeeper for this storage system. However, an error occurred during this processing as indicated by the explanation (eeeeeeee) or error codes (xxxxxxx/yyyyyyyy). ESWP|CGRS|FMMS|SCFS181E provides details about the possible errors.

Action
See message ESWP181E | CGRS181E | FMMS181E | SCFS181E for additional information and suggested actions. Other error messages will be displayed if this device requires the usage of a gatekeeper to satisfy the requirements of the swap. Otherwise, this device is not considered defined and will not be swapped on this LPAR.
ESWP542E | CGRS542E | FMMS542E | SCFS542E

Could not determine a gatekeeper for ctrl# ccccc.

**Cause**
A device is not defined on this LPAR or was excluded in EMCSCF. To access the device, a gatekeeper (an accessible device) to the storage system (cccc) is required. The EMCSCF Cross System Communication component gatekeeper is also used as the AutoSwap gatekeeper for this storage system. However, a gatekeeper could not be obtained for one of the following reasons:

- AutoSwap is being shut down.
- An EMCSCF CSC error occurred (refer to message ESWP|CGRS|FMMS|SCFS541E).
- The device returned by EMCSCF CSC is not valid on this LPAR.

**Action**
None if AutoSwap is being shut down. If message ESWP541E | CGRS541E | FMMS541E | SCFS541E is also displayed, refer to the explanation of that message. Otherwise verify that EMCSCF CSC is correctly processing the indicated storage system by issuing the EMCSCF CSC command CSC,DISPLAY HOSTS CNTRL(ccccc). Verify the gatekeeper displayed by this command output is accessible on this LPAR by issuing a z/OS DEVSERV command (for example, DS QD,sdddd) to verify the device is available.

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESWP543I | CGRS543I | FMMS543I | SCFS543I

Checkpoint xx owner change during release.

**Cause**
A change of group ownership was detected during the checkpoint phases for the indicated checkpoint (xx). Message ESWP534I would have been issued prior to this message to indicate the new owner.

**Action**
None

ESWP549I | CGRS549I | FMMS549I | SCFS549I

Scheduled SWAP of group gggggggg has been cancelled due to validation still in progress.

**Cause**
A swap had been scheduled for the indicated group, however a currently activate validation on this host has not completed in the time period specified by the CROSSSYSTEMTIMOUT value. The swap request is cancelled.
Action
Examine the output generated by AutoSwap to determine why the validation is exceeding the CROSSSYSTEMTIMOUT period. Reissue the swap command after the validation completes.

ESWP550W | CGRS550W| FMMS550W | SCFS550W

(rrrrr) Group gggggggg marked invalid by owner; group processing disabled.

Cause
The indicated group has been marked invalid by the group owner because of a failed swap request.

Action
Examine messages on the AutoSwap owner system to determine the reason for the failed swap request. The group must be revalidated prior to performing another swap for this group.

ESWP551I | CGRS551I | FMMS551I | SCFS551I

(rrrr) (PID ppppp) ccccccccccccccc processing serialized due to error threshold for RS xx.

Cause
While issuing the indicated command type (cccccccccccccccc) to reconfigure SRDF for the group of devices that are being processed under the indicated PID a retry threshold was reached. Command retries are indicated by message ESWP111W | CGRS111W | FMMS111W | SCFS111W. Prior to ESWP|CGRS|FMMS|SCFS551I being issued, commands of this type are issued in parallel to expedite the swap processing. After ESWP|CGRS|FMMS|SCFS551I is issued, commands of this type are serialized and issued one at a time. This reduces the retrying of commands that may be experiencing contention for resources in the storage system. Subsequent command types are not serialized and will continue in parallel.

Action
None.

ESWP552W | CGRS552W | FMMS552W | SCFS552W

(rrrr) (PID ppppp) RESERVE found on 'FROM' device following SWAP, cannot transfer.

Cause
Following the UCB swap phase of AutoSwap processing a RESERVE was found on the FROM device. Normally the RESERVE would be transferred prior to the swap, however the FROM device is a high priority swap device.

RESERVES are not transferred for high priority swap devices. The RESERVE issued to the FROM device is lost but will be reacquired on subsequent I/O performed to the device. However, multi LPAR integrity cannot be guaranteed to the application performing the original RESERVE processing.
**Action**

High priority swap devices must only have datasets on them that are in use on the current LPAR. The devices cannot be actively in use on any other LPAR. Examples of datasets suitable for a high priority swap are page datasets and Computer Associates OPS/MVS datasets.

**ESWP554I | CGRS554I | FMMS554I | SCFS554I**

(rrrrr) Group gggggggg owner change to hhhh completed.

**Cause**

The ownership change for the indicated group ggggggg has changed to hhhh. This would normally be done in response to a change owner command.

**Action**

None

**ESWP555I | CGRS555I | FMMS555I | SCFS555I**

(rrrrr)(PID ppppp) 'TO' device sdddd unboxed by AutoSwap processing.

**Cause**

The TO device was found to be boxed during AutoSwap UCB validation. To allow the device to be swapped successfully, AutoSwap has performed an unbox and path validation of the device to ensure that it is accessible and valid for swap processing. The device may have been boxed by a prior unplanned swap when the device was the FROM device.

**Action**

None.

**ESWP556I | CGRS556I | FMMS556I | SCFS556I**

(rrrrr)(PID ppppp) Phase zz, backout processing initialization.

**Cause**

Backout processing is being initialized due to a backout condition. Other, non-verbose, messages are produced to indicate the reason for the backout.

**Action**

None.

**More Information**

Verbose Level: 2

**ESWP557I | CGRS557I | FMMS557I | SCFS557I**

(rrrrr)(PID ppppp) Phase zz, backout processing unswap UCBs.
**Cause**
Backout processing is unswapping the UCBs as part of the indicated backout phase (zz).

**Action**
None.

**More Information**
Verbose Level: 2

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**ESWP558I | CGRS558I | FMMS558I | SCFS558I**

(rrrrr) (PID ppppp) Phase zz, backout processing restore RDF.

**Cause**
Backout processing is restoring the original device SRDF state as part of the indicated backout phase (zz).

**Action**
None.

**More Information**
Verbose Level: 2

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**ESWP559I | CGRS559I | FMMS559I | SCFS559I**

(rrrrr) (PID ppppp) Phase zz, backout processing reserve release.

**Cause**
Backout processing is releasing reserves resources obtained during the processing as part of the indicated backout phase (zz).

**Action**
None.

**More Information**
Verbose Level: 2

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**ESWP560I | CGRS560I | FMMS560I | SCFS560I**

(rrrrr) (PID ppppp) Phase zz, backout processing release I/O.

**Cause**
Backout processing is releasing the devices to enable them to be used by application I/O as part of the indicated backout phase (zz).

**Action**
None.

**More Information**
Verbose Level: 2x
(rrrr)(PID pppp) Phase zz, backout processing disband rebind.

**Cause**
Backout processing is restoring the online/offline and PAV alias bindings as part of the indicated backout phase (zz).

**Action**
None.

**More Information**
Verbose Level: 2

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(rrrr)(PID pppp) Phase zz, backout processing dequeue resources.

**Cause**
Backout processing is dequeuing GRS resources (ENQ/DEQ) as part of the indicated backout phase (zz).

**Action**
None.

**More Information**
Verbose Level: 2

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(rrrr)(PID pppp) Phase xx, backout processing complete.

**Cause**
Backout processing is completing as part of the indicated backout phase (zz).

**Action**
None.

**More Information**
Verbose Level: 2

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(rrrr)(PID pppp) Backout processing incomplete (xxxxxxxx) 'FROM'/'TO' ffff/tttt.
or

(rrrrr)(PID ppppp) Backout processing incomplete (xxxxxxxxx) 'FROM'/TO 'ffff/ttttt expected; high priority xsystem.

Cause
Backout processing could not be completed for the indicate FROM/TO ('ffff/ ttttt') device pair. The diagnostic values (xxxxxxxxx) are added if further diagnosis is required by Dell EMC Technical Support.

The string; high priority xsystem is appended to the message where the device is high priority on another host. SRDF backout processing is never performed on another host for a high priority device.

The 'FROM'/TO' devices ('ffff/ ttttt') are displayed as follows:
- cccccc,ssssssss
  Format used where an z/OS device number (ccuu) could not located. cccccc is the storage system serial number, sssssss is the PowerMax/VMAX device number. The leading 2 digits are suppressed when zero.
- sddd
  The format used where an z/OS device number was located. s is the subchannel set number, dddd is the 4 digit z/OS device number.

Action
Examine other messages generated by the backout processing to determine the reason for the backout being incomplete. Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If this does not provide an answer, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESWP565I | CGRS565I | FMMS565I | SCFS565I

(rrrrr) Group gggggggg requested EMCSCF aaaaaaaa.

Cause
During device lookup processing for the indicated group (gggggggg) the EMCSCF device configuration did not have access to a device or a UCB/device mismatch was detected in the EMCSCF configuration. AutoSwap has automatically requested either a REFRESH or RESCAN as indicated by the action (aaaaaaa). After the required action is completed by EMCSCF the device lookup will be retried. If the reason for the original EMCSCF request remains (for example, there is a UCB to device mismatch), additional messages will be output.

Action
None.

ESWP566I | CGRS566I | FMMS566I | SCFS566I

(rrrrr) Group gggggggg waiting for EMCSCF aaaaaaaa.
Cause
A prior EMCSCF action \textit{(aaaaaaa)} had been requested by the indicated group \texttt{(ggggggggg)} and is still not complete. Message ESWP565I | CGRS565I | FMMS565I | SCFS565I was displayed at the initiation of this processing. ESWP566I | CGRS566I | FMMS566I | SCFS566I is displayed at 30 second intervals until the EMCSCF processing completes.

Action
None.

ESWP567I | CGRS567I | FMMS567I | SCFS567I

\texttt{(...r)} Group \texttt{gggggggg} wait time exceeded for EMCSCF \texttt{aaaaaaa}.

Cause
A prior EMCSCF action \textit{(aaaaaaa)} had been requested by the indicated group \texttt{(ggggggggg)} and was not completed within the timeout period. Message ESWP565I | CGRS565I | FMMS565I | SCFS565I was displayed at the initiation of this processing. AutoSwap processing continues. If the reason for the original EMCSCF request persists, additional messages are output.

Action
None.

ESWP568I | CGRS568I | FMMS568I | SCFS568I

\texttt{(...r)} Group \texttt{gggggggg} is being REPLACEd by host \texttt{hhhh} (xxxxxxxxxxxxxxx).

Cause
The currently active group \texttt{(ggggggggg)} is being redefined as the prior owner of the group was lost. The new owner is on host \texttt{hhhh}. The host ID \texttt{(xxxxxxxxxxxxxxx)} indicates the EMCSCF known host identifier for that host. This is defined by the EMCSCF Cross System Communication component. For further information on EMCSCF refer to the ResourcePak Base documentation. One such circumstance of this message is when the owner of the group is IPLed while the group is active and then AutoSwap is restarted.

Action
None.

ESWP569E | CGRS569E | FMMS569E | SCFS569E

\texttt{(...r)} EMCSCF CSC error trying to verify the group owner, eeeeeeee.

Cause
While trying to verify that the group owner is active an error has occurred with the EMCSCF Cross System Communication (CSC) component. Refer to message ESWP181E | CGRS181E | FMMS181E | SCFS181E for details on explanations \textit{(eeeeeee)} returned by this message.
Action
Check to see whether EMCSCF is active. If it is active, check to see if there are any additional messages produced by EMCSCF or the Cross System Communication (CSC) component in the EMCSCF JOB log or the z/OS SYSLOG to describe the reason for the failure. The EMCSCF CSC command CSC,DISPLAY HOSTS may be issued to ensure that the CSC is active.

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If this does not provide an answer, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESWP570E | CGRS570E | FMMS570E | SCFS570E

(rrrrr) (PID ppppp) nnnnn of mmmm Rx did not go RDF-RDY.

Cause
AutoSwap attempted to make a number (mmmmm) of R1 or R2's (as indicated by Rx) SRDF Ready, however some or all of those (nnnnn) failed to change status. Message ESWP081E | CGRS081E | FMMS081E | SCFS081E is produced prior to this message to indicate the devices that failed.

Action
AutoSwap might attempt to try the request again. If AutoSwap cannot retry, or the retry fails, backout processing is initiated. If this message has been produced as a result of backout processing, AutoSwap could not return the device to its original RDF-RDY state.

Examine the AutoSwap console messages for any other information leading to the failure and/or examine the status of the device(s) using the SRDF Host Component, indicated by the ESWP081E | CGRS081E | FMMS081E | SCFS081E message, to determine the reason for the failure.

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESWP571E | CGRS571E | FMMS571E | SCFS571E

(rrrrr) (PID ppppp) Rx device sdddd did not go USR-RDY.

Cause
AutoSwap failed to make device sdddd USR-RDY.

Action
Examine AutoSwap console messages for any other information leading to the failure and/or examine the status of the device(s) using the SRDF Host Component to determine the reason for the failure.
ESWP572W | CGRS572W | FMMS572W | SCFS572W

(rrrr)(PID ppppp) Rx did not go USR-RDY, redrive xxxx of yyyy.

**Cause**
An SRDF device (R1 or R2) did not go USR-RDY and the request will be redriven. Additional messages may be issued to indicate the reason for the failure. If the number of redrives is exceeded, the processing will fail.

**Action**
If the number of redrives is exceeded or this problem occurs frequently, review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESWP573E | CGRS573E | FMMS573E | SCFS573E

(rrrr)(PID ppppp) xxxxx of yyyyy Rx did not go USR-RDY.

**Cause**
AutoSwap attempted to make a number (mmmmmm) of R1 or R2’s (as indicated by Rx) USR Ready, however some or all of those (nnnnnn) failed to change status. Message ESWP571E | CGRS571E | FMMS571E | SCFS571E is produced prior to this message to indicate the devices that failed.

**Action**
AutoSwap might attempt to try the request again. If AutoSwap cannot retry, or the retry fails, backout processing is initiated. If this message has been produced as a result of backout processing, AutoSwap could not return the device to its original RDF-RDY state.

Examine the AutoSwap console messages for any other information leading to the failure and/or examine the status of the device(s) using the SRDF Host Component, indicated by the ESWP571E | CGRS571E | FMMS571E | SCFS571E message, to determine the reason for the failure. If this does not provide an answer, contact Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.

ESWP574I | CGRS574I | FMMS574I | SCFS574I

(rrrrr)(PID ppppp) Rx USR-RDY complete for Symdv# ffff[-ttttt].

**Cause**
AutoSwap successfully changed the state of the indicated range of R1 or R2 PowerMax/VMAX device numbers (ffff-tttttt) to USR Ready.

**Action**
None.

Verbose Level: 3
ESWP575I | CGRS575I | FMMS575I | SCFS575I

(rrrrr)(PID ppppp) High priority 'TO' device tttt is USR-NRDY; changed to NRDY.

Cause
During validation processing the R2 TO device (ttttt) for a high priority device is USR-NRDY.

AutoSwap automatically makes these devices NRDY and removes the USR-NRDY state during the validate to make the subsequent swap processing more efficient. If the device is changed to USR-NRDY following the validate, AutoSwap is still able to swap successfully; however, additional IO processing is required.

Action
None.

ESWP576W | CGRS576W | FMMS576W | SCFS576W

 xxxx)(PID xxxx) Cannot determine 'FROM' device ffff volser due to ccccccccccccc condition (xxxxxxx/yyyyyyyy)

Cause
During validation processing the FROM device (ffff) volume serial (volser) could not be read. ccccccccccccc indicates the reason for the failure and can be.

- intervention
  The device was found to be in an intervention condition. This normally occurs due to a RDF-NRDY, NRDY, or USR-NRDY state.

- timeout
  An I/O timeout occurred. This can occur if the device is reserved by another host. AutoSwap reports the device volser as *TIMO*.

- I/O error
  An I/O error occurred. This can occur if the device is being formatted, for example - by ICKDSF. Autoswap will report the device volser as *IOER*.

A diagnostic return code/reason code (xxxxxxx/yyyyyyyy) is appended to the message if further diagnosis is required by the Dell EMC Customer Support Center.

Action
AutoSwap processing continues.

ESWP577I | CGRS577I | FMMS577I | SCFS577I

(rrrrr) Waiting for high priority processing to complete.

Cause
During a planned swap AutoSwap is waiting for high priority swap processing to complete before commencing with the normal priority swaps. After the high priority swaps for this host complete, the normal priority swaps continues.
Action
None.

ESWP578W | CGRS578W | FMMS578W | SCFS578W

(rrrr) Group gggggggg does not have access to controllers:

system_ID_list

Cause
Displayed at the completion for validation processing for the indicated group
(gggggggg) to indicate the list of storage systems that are not accessible on this
system (LPAR). This system cannot be used to TAKEOVERasowner if a lost owner
situation occurs as this system

Action
If this system needs to be available to be used for TAKEOVERasowner during a lost
owner situation then the storage systems indicated in the list must be accessible to
this system.

ESWP579W | CGRS579W | FMMS579W | SCFS579W

(rrrr) TAKEOVERasowner option is not available as all controllers
are not accessible.

Cause
Displayed prior to the ESWP485A | CGRS485A | FMMS485A | SCFS485A message
during a lost owner situation (determined by Operator setting of LostOwnerPolicy) to
indicate that this system (LPAR) does not have access to all the storage systems. This
system cannot be used as the TAKEOVERasowner system as access to all storage
systems is necessary for AutoSwap processing to performed necessary device
reconfiguration.

Action
If TAKEOVERasowner is the required LOP selection, another system must be used.

ESWP580E | CGRS580E | FMMS580E | SCFS580E

(rrrr) (PID ppppp) Rx device dddd did not go USR-NRDY.

Cause
AutoSwap failed to make device dddd USR-NRDY as requested by
UNPLANNEDoptions(FBAUserNrdy).

Action
Examine AutoSwap console messages for any other information leading to the failure
and/or examine the status of the device(s) using the SRDF Host Component to
determine the reason for the failure.

If you cannot determine the reason for the failure, review the JOB log and SYSLOG
for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this
message ID. If you cannot correct the problem, contact the Dell EMC Customer
Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESWP581W | CGRS581W | FMMS581W | SCFS581W

(rrrrr)(PID ppppp) Rx did not go USR-NRDY, redrive xxxx of yyyy.

Cause
An SRDF device (R1 or R2) did not go USR-NRDY as requested by UNPLANNEDOptions(FBAUserNrdy). The request will be redriven. Additional messages may be issued to indicate the reason for the failure. If the number of redrives is exceeded then the processing will fail.

Action
If the number of redrives is exceeded or this occurs frequently, contact the Dell EMC Customer Support Center for technical assistance.

ESWP582E | CGRS582E | FMMS582E | SCFS582E

(rrrrr)(PID ppppp) mmmmm of nnnnn Rx did not go USR-NRDY.

Cause
AutoSwap attempted to make a number (mmmmmm) of R1 or R2s (as indicated by Rx) USR Not Ready, however some or all of those (nnnnn) failed to change status. Message ESWP580E | CGRS580E | FMMS580E | SCFS580E is produced prior to this message to indicate the devices that failed.

Action
AutoSwap might attempt to try the request again. If AutoSwap cannot retry, or the retry fails, then backout processing will be initiated. If this message has been produced as a result of backout processing then AutoSwap could not return the device to its original RDF-NRDY state.

Examine the AutoSwap console messages for any other information leading to the failure and/or examine the status of the device(s) using the SRDF Host Component, indicated by the ESWP|CGRS|FMMS|SCFS580E message, to determine the reason for the failure.

If you cannot determine the reason for the failure, review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If this does not help you solve the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESWP583I | CGRS583I | FMMS583I | SCFS583I

(rrrrr)(PID ppppp) Rx USR-NRDY complete for Symdv# fff[-ttttt].

Cause
AutoSwap successfully changed the state of the indicated range of R1 or R2 PowerMax/VMAX device numbers (ffff-ttttt) to USR Not Ready.
**Action**
None.

**More Information**
Verbose Level: 3

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**ESWP584E | CGRS584E | FMMS584E | SCFS584E**

(rrrrr) (PID ppppp) R1=>R2 NRDY failed.

**Cause**
The not ready of the R1 device failed when swapping from an R1to an R2. Examine other messages to determine the reason for the failure. If you cannot determine the reason for the failure, search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If this does not help you solve the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

---

**ESWP585E | CGRS585E | FMMS585E | SCFS585E**

(rrrrr) (PID ppppp) MCivl not valid for FBAUSRNRDY option: MCivl/'FROM'/'TO' mmmm/ffff/tttt

**Cause**
The UNPLANNEDOPTION FBAUSRNRDY value was specified for a storage system with too low an operating environment level as indicated by mmmm.

**Action**
AutoSwap validation fails. Remove the FBAUSRNRDY option.

---

**ESWP586E | CGRS586E | FMMS586E | SCFS586E**

EMCSCF Version call failed RC/RS/ERS xxxxxxxx/yyyyyyyy/zzzzzzzz

**Cause**
An API call to locate the EMCSCF version failed with the indicated RS/RS and ERS diagnostic codes.

**Action**
AutoSwap initialization fails.

---

**ESWP587E | CGRS587E | FMMS587E | SCFS587E**

(rrrrr) (PID ppppp) UCB not found for ONLINE 'FROM' device : 'FROM'/'TO' ffff/tttt.
Cause
During AutoSwap validation an online path group has been found for the indicated 'FROM' device (ffff) for the current LPAR even though an z/OS device could not be located by AutoSwap. This could indicate that the 'FROM' device is online to the current host.

The 'FROM'/'TO' devices (ffff/ tttt) are displayed as follows:

- **cccc,ssssssss**
  The format used where an z/OS device number (ccuu) could not located. ccccc is the storage system serial number, ssssssss is the PowerMax/VMAX device number. The leading 2 digits are suppressed when zero.

- **sdddd**
  The format used where an z/OS device number was located. s is the subchannel set number, dddd is the 4 digit z/OS device number.

The W form of the message is displayed if AllowOnlineUndefinedDevice was specified. The E form of the message is displayed if NOAllowOnlineUndefinedDevice was specified or defaulted.

Action
If AllowOnlineUndefinedDevice was specified, then AutoSwap processing continues, otherwise validation processing terminates. EMCSCF translates the device numbers for AutoSwap. This message could indicate that EMCSCF discovery processing failed or an SCF.DEV.EXCLUDE.LIST keyword may have been specified for the device.

Check EMCSCF for messages to determine if a failure has occurred. You can issue the EMCSCF command DEV,DISPLAY CNTRL(ssss) to display the details for the storage system. You can issue DEV,DISPLAY DEV(ccuu) to determine if a ccuu is known to EMCSCF.

Check the SCFINI file to determine if an SCF.DEV.EXCLUDE.LIST keyword has been specified for the device. If so, the device must be removed from this list, followed by an SCF INI,REFRESH and DEV,REFRESH command. The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides further information.

If you cannot determine the reason for the failure, contact the Dell EMC Customer Support Center for technical assistance.

ESWP588E | CGRS588E | FMMS588E | SCFS588E

**ESWP588E | CGRS588E | FMMS588E | SCFS588E**

(rrrrr) (PID ppppp)  Patch missing for ctrl# ccccc : fffff...

Cause
The indicated operating environment patches (ffff) are missing on the indicated storage system (ccccc).

Action
An error-level message indicates that the patch is required. If this message is displayed as an error, then the operating environment patches must be applied to the indicated storage system. AutoSwap will not allow devices to be swapped without these operating environment patches. Refer to any release notes to determine if other patches are required for storage systems used in AutoSwap processing. If you cannot determine the reason for the failure, contact the Dell EMC Customer Support Center for technical assistance.
ESWP588W | CGRS588W | FMMS588W | SCFS588W

(rrrr) (PID ppppp) Patch missing for ctrl# ccccc : fffff...

Cause
The indicated operating environment patches (fffff) are missing on the indicated storage system (ccccc).

Action
A warning-level message indicates that the patch is optional. If this message is displayed as a warning then the operating environment patches may need to be applied to the indicated storage system. If the patches are not applied, reduced functionality of the AutoSwap product could result. If you cannot determine the reason for the failure, contact the Dell EMC Customer Support Center for technical assistance.

ESWP589E | CGRS589E | FMMS589E | SCFS589E

(rrrr) (PID ppppp) Rx device sdddd did not go HA Write Enabled.

Cause
AutoSwap failed to make device sdddd Write Enabled on the open systems Host Adapter (FA/SA).

The device (sdddd) is displayed as follows:

- ccccc,ssssssss
  The format used where a z/OS device number (ccuu) could not be located. ccccc is the storage system serial number and sssssss is the PowerMax/VMAX device number. The leading 2 digits are suppressed when zero.

- sdddd
  The format used where a z/OS device number was located. s is the subchannel set number and dddd is the 4-digit z/OS device number.

Action
Examine the AutoSwap console messages for any other information leading to the failure. Examine the status of the device(s) using the SRDF Host Component to determine the reason for the failure. If you cannot determine the reason, contact Dell EMC Customer Support Center for technical assistance.

ESWP590E | CGRS590E | FMMS590E | SCFS590E

(rrrrr) (PID ppppp) nnnnn of mmmmmm Rx did not go HA Write Enabled
DIR 0-63 ooooooooooooooooooooooooooooooooooooo
DIR 64-127 ooooooooooooooooooooooooooooooooooooo

Cause
AutoSwap attempted to make a number (mmmmmm) of R1 or R2s (as indicated by Rx) Write Enabled on the open systems host adapter (FA/SA). However, some or all of those (nnnnnn) failed to change status. The port mask ooo.ooo indicates the ports, the
device remains write disabled. Message CGRS589E is produced prior to this message to indicate the devices that failed.

**Action**

AutoSwap might attempt to retry the request. If AutoSwap cannot retry, or the retry fails, then swap processing continues and the devices remain write disabled. Further action may be required to make the devices usable on open systems.

### ESWP591I | CGRS591I | FMMS591I | SCFS591I

*(rrrrr)(PID ppppp) Rx HA Write Enable complete for Symdv# sdddd[-eeee].*

**Cause**

This informational message indicates that the SRDF (x indicates R1 or R2) device(s) `sdddd-eeee(eeee is only displayed where a range of devices was processed) are now Write Enabled on the open systems Host Adapter (FA/SA).

**Action**

None.

**More Information**

Verbose level 3.

### ESWP592W | CGRS592W | FMMS592W | SCFS592W

*(rrrrr)(PID ppppp) Rx did not go HA Write Enabled, redrive aaaa of bbbb.*

**Cause**

An FBA SRDF device (R1 or R2 as indicated by x) was not Write Enabled on the open systems Host Adapter (FA/SA). The request will be redriven. Additional messages may be issued to indicate the reason for the failure. If the number of redrives is exceeded then the processing fails.

**Action**

If the number of redrives is exceeded or this error occurs frequently, contact the Dell EMC Customer Support Center for technical assistance.

### ESWP593E | CGRS593E | FMMS593E | SCFS593E

*(rrrrr) No active group gggggggg found for rrrrrrrr request. [Found iiiii inactive groups.]*

**Cause**

No active groups could be located for the command request (rrrrrrrr). Where applicable, the count iiiii indicates groups that have been defined but are currently 'inactive.'

**Action**

Enter the command for a group that is not inactive. A DISPLAY GROUP gggggggg command may be used to show the status of groups.
ESWP594E | CGRS594E | FMMS594E | SCFS594E

SETSWAP action not specified. Expecting ENABLE, DISABLE.

Cause
The SETSWAP command did not have a valid action.

Action
Reenter the command using one of the expected values.

ESWP595I | CGRS595I | FMMS595I | SCFS595I

(rrrrr) Group gggggggg SWAP processing aaaaaaa from hosthhhh
(xxxxxxxxxxxxxxxxxx).

Cause
The indicated group status has changed as a result of a request from the indicated host hhhh. The new host status is indicated by aaaaaaaa:

- ENABLED
  SWAP processing is now allowed for the group.
- DISABLED
  SWAP processing is no longer allowed for the group.

Message ESWP599W | CGRS599W | FMMS599W | SCFS599W will be displayed at 30 second intervals while the group is in the SWAP DISABLED state.

The host ID (xxxxxxxxxxxxxxxxx) indicates the EMCSCF known host identifier for that host. This is defined by the EMCSCF Cross System Communication component. The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides further information about EMCSCF.

Action
None.

ESWP596E | CGRS596E | FMMS596E | SCFS596E

(rrrrr) Group gggggggg, ID sssss SWAP processing DISABLED.

Cause
A SWAP command was entered for a group that has been disabled for SWAP processing. The SWAP command will not be accepted until a SETSWAP ENABLE command has been entered for the group.

Action
Determine the reason for the group being DISABLED for swap processing. Some products interface with AutoSwap using the SETSWAP DISABLE command to prevent a SWAP occurring during processing that cannot tolerate a SWAP event. In these instances the disable should only be short term event. If required a SETSWAP GROUP gggggggg ENABLE command may be entered to allow the SWAP to be processed.
Device sddddd is now eligible for unplanned AutoSwap.

Cause
The indicate device (sddddd) is now eligible for unplanned SWAP processing.

Action
None.

More Information
Verbose Level: 1

ESWP598E | CGRS598E | FMMS598E | SCFS598E

(rrrr) (PID ppppp) SETSWAP aaaaaaa completed:

Cause
Message ESWP598I | CGRS598I | FMMS598I | SCFS598I lists the message formats that may be returned.

Action
Examine the returned message to determine the reason. Where a host format entry is displayed, some additional information may be available in the z/OS syslog or AutoSwap joblog on that host.

ESWP598I | CGRS598I | FMMS598I | SCFS598I

(rrrr) (PID ppppp) SETSWAP completed:

(rrrr) (PID ppppp) SETSWAP BACKOUT completed:

Group gggggggg now aaaaaaa

Group gggggggg now aaaaaaa: already in required state

Group gggggggg aaaaaaa error: same command active on this host

Group gggggggg now aaaaaaa:

Group gggggggg aaaaaaa error:

Group gggggggg BACKOUT aaaaaaa error:

Cause
This is an informational message produced as a result of a SETSWAP command. Each group affected by the command has a summary line to describe its new status. Where an error condition occurs, additional information is provided. Following each group description line is a status line to indicate the status from each AutoSwap host. In some cases additional information is only supplied if the DETAIL keyword is specified. Error conditions are always externalized. Warning conditions are only externalized when the DETAIL keyword is specified.
Each status line identifies the host (hhhh) and the host id (xxxxxxxxxxxxxxxx). The host ID (xxxxxxxxxxxxxxxx) indicates the EMCSCF known host identifier for that host. This is defined by the EMCSCF Cross System Communication component. The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides further information about EMCSCF.

One of the following status text lines indicates the status from each AutoSwap host:

<table>
<thead>
<tr>
<th>Status Line</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>hhhh (xxxxxxxxxxxxxxxx): CSC Error, request could not complete</td>
<td>The indicated host could not complete the request. The EMCSCF Cross System Communication component has detected that the host is no longer valid. Additional messages will have been produced by EMCSCF.</td>
</tr>
<tr>
<td>hhhh (xxxxxxxxxxxxxxxx): CSC Error, request RC/RS, xx/yy</td>
<td>A condition was generated by the indicate host. However, the reason cannot be determined. Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.</td>
</tr>
<tr>
<td>hhhh (xxxxxxxxxxxxxxxx): CSC Error, request timed out</td>
<td>A timeout has occurred during Cross System Communication.</td>
</tr>
<tr>
<td>hhhh (xxxxxxxxxxxxxxxx): Error, duplicate request in progress</td>
<td>Another SETSWAP command is active on the indicated host. Only one SETSWAP may be active at the same time.</td>
</tr>
<tr>
<td>hhhh (xxxxxxxxxxxxxxxx): Error, other processing active</td>
<td>An AutoSwap process is active on the host which prevents a SETSWAP DISABLE. For example, VALIDATE or SWAP processing. To determine the currently active processing issue a DISPLAY GROUP gggggggg command. After AutoSwap has completed its current processing then reenter the command.</td>
</tr>
<tr>
<td>hhhh (xxxxxxxxxxxxxxxx): Error, precluded by congroup</td>
<td>ConGroup processing has precluded the AutoSwap SETSWAP processing. This would indicate that congroup has, or is in the process of, performing trip processing for the CAX group. After ConGroup has precluded AutoSwap processing no further swap is allowed for the group.</td>
</tr>
<tr>
<td>hhhh (xxxxxxxxxxxxxxxx): Error, request invalid (cc)</td>
<td>The request is not valid on the indicated host. A reason code (cc) is displayed for Dell EMC diagnostic purposes. Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you</td>
</tr>
</tbody>
</table>
cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

<table>
<thead>
<tr>
<th>hhhh (xxxxxxxxxxxxxxxxxx) : Request not completed</th>
</tr>
</thead>
</table>

The request has not yet completed.

<table>
<thead>
<tr>
<th>hhhh (xxxxxxxxxxxxxxxxxx) : Request valid, already in desired state</th>
</tr>
</thead>
</table>

The request completed successfully on the indicated host. The group was already in the desired state.

<table>
<thead>
<tr>
<th>hhhh (xxxxxxxxxxxxxxxxxx) : Request valid, RS xx</th>
</tr>
</thead>
</table>

The request completed successfully on the indicated host. The group is now in the desired state.

<table>
<thead>
<tr>
<th>hhhh (xxxxxxxxxxxxxxxxxx) : Warning, AutoSwap not active</th>
</tr>
</thead>
</table>

EMCSCF and the Cross System Communication are active on the indicated host, however AutoSwap is not active. If AutoSwap is activated on this host the then current ENABLED or DISABLED status of the group is communicated by the group owner.

<table>
<thead>
<tr>
<th>hhhh (xxxxxxxxxxxxxxxxxx) : Warning, AutoSwap version not compatible</th>
</tr>
</thead>
</table>

The AutoSwap level on the indicated host is not at the correct level.

<table>
<thead>
<tr>
<th>hhhh (xxxxxxxxxxxxxxxxxx) : Warning, group not active</th>
</tr>
</thead>
</table>

The group is not yet active on the indicated host. After the group is activated the then current ENABLED or DISABLED status of the group is communicated by the group owner.

<table>
<thead>
<tr>
<th>hhhh (xxxxxxxxxxxxxxxxxx) : Warning, group not defined</th>
</tr>
</thead>
</table>

The group is not defined on the indicated host.

<table>
<thead>
<tr>
<th>hhhh (xxxxxxxxxxxxxxxxxx) : Warning, swap processing disabled</th>
</tr>
</thead>
</table>

Swap processing is disabled on the indicated host.

Totals Line:

Total groups processed : tttttttt
Successful : sssssssss
Failed : ffffffff

The following tally lines are displayed after all groups lines to indicate the number of groups processed:
### ESWP599W | CGRS599W | FMMS599W | SCFS599W

(rrrrr) Group gggggggg has been SWAP DISABLED for sssssss seconds.

**Cause**
A group has been SWAP DISABLED SWAP for the indicated number of seconds. This message is output at 30 second intervals following a SETSWAP DISABLE command until a SETSWAP ENABLE command is entered. SWAP processing is prevented while the group is SWAP DISABLED.

**Action**
Determine the reason for the group being DISABLED for SWAP processing. If required a SETSWAP GROUP gggggggg ENABLE command may be entered to allow the swap to be processed.

### ESWP600W | CGRS600W | FMMS600W | SCFS600W

(rrrr) Group gggggggg marked invalid for planned SWAP processing [by host hhhh (xxxxxxxxxxxxxxxxxx)].

**Cause**
This message is generated by the AutoSwap group owner when group gggggggg has been marked invalid for planned swap processing due to a non-owner AutoSwap device validation error. The group remains valid for unplanned swap processing.

The host(s) causing the invalid group state are identified either by the appended host name as indicated by hhhh(xxxxxxxxxxxxxxxxxxxx) or by the preceding ESWP195I|CGRS195|FMMS195|SCFS195I message.

If an unplanned swap occurs while the group is in this state, the hosts with the group still marked valid will successfully complete the swap processing.

The host ID (xxxxxxxxxxxxxxxxxxx) indicates the EMCSCF known host identifier for that host. This is defined by the EMCSCF Cross System Communication component.

**Action**
Examine additional messages from the hosts SYSLOG as identified by the ESWP195I|CGRS195|FMMS195|SCFS195I message or from the host identified by the appended hhhh(xxxxxxxxxxxxxxxxxxxx) to determine the reason for the group becoming invalid. The group must be revalidated using the AutoSwap VALIDATE command prior to performing a planned SWAP.
ESWP601E | CGRS601E | FMMS601E | SCFS601E

(rrrrr) (PID ppppp) 'FROM' device ffff mismatching RDFGROUP xx with ConGroup gggggggg RDFGROUP yy.

Cause
The indicated FROM device ffff is part of a congroup defined continuous available group. During group validation processing AutoSwap has detected an internal configuration mismatch in the RDFGROUP xx used in the original consistency group definition and the RDFGROUP yy returned by an internal consistency group product API. This error can indicate a mismatch in the consistency group definitions between LPARs.

Action
Ensure that the indicated device is contained in the indicated consistency group and that the group is enabled and the correct RDFGROUP is specified. Refer to Consistency Groups documentation for further information about group definitions.

ESWP606W|CGRS606W|FMMS606W|SCFS606W

(rrrrr) (PID ppppp) ALLOWBINDS NO for device sddddd, RC/RS xxxxxxxxx/yyyyyyyy.

Cause
During SWAP processing the indicated device sddddd received an error code from z/OS PAV ALLOWBINDS processing.

Action
Examine the device sddddd following the SWAP using z/OS D M=DEV and/or the DS QPAV operator commands to ensure that the UCB PAV state is correct. If this is a TO device the VARY dddd,UNCOND command may be required to correct the device PAV state. If the reason for the error cannot be determined contact the Dell EMC Customer Support Center for technical assistance.

ESWP607W|CGRS607W|FMMS607W|SCFS607W

(rrrrr) (PID ppppp) UNBINDPAVALL for device sddddd, RC/RS xxxxxxxxx/yyyyyyyy.

Cause
During SWAP processing the indicated device sddddd received an error code from z/OS PAV UNBIND processing.

Action
Examine the device sddddd following the SWAP using z/OS D M=DEV and/or the DS QPAV operator commands to ensure that the UCB PAV state is correct. If this is a TO device the VARY dddd,UNCOND command may be required to correct the device PAV state. If the reason for the error cannot be determined contact the Dell EMC Customer Support Center for technical assistance.
ESWP608W | CGRS608W | FMMS608W | SCFS608W

(rrrr) (PID pppp) ALLOWBINDS YES for device sdddd, RC/RS xxxxxxxx/yyyyyyyy.

**Cause**
During SWAP processing the indicated device sdddd received an error code from z/OS PAV ALLOWBINDS processing.

**Action**
Examine the device sdddd following the SWAP using z/OS D M=DEV and/or the DS QPAV operator commands to ensure that the UCB PAV state is correct. If this is a TO device the VARY dddd,UNCOND command may be required to correct the device PAV state. If the reason for the error cannot be determined contact the Dell EMC Customer Support Center for technical assistance.

ESWP609I | CGRS609I | FMMS609I | SCFS609I

(rrrr) (PID pppp) 'FROM' device ffff pending offline at SWAP.

**Cause**
The indicated FROM device ffff was detected as pending offline during SWAP processing. AutoSwap will complete the OFFLINE processing for this device in SWAP cleanup processing (following message ESWP512I).

The following z/OS message might be issued during this processing: IEE303I ffff OFFLINE BY AutoSwap

The TO device will remain ONLINE following the SWAP processing. AutoSwap does not automatically issue the VARY OFFLINE for the TO device as the reason is unclear for the pending offline condition.

**Action**
If necessary, issue the VARY OFFLINE command for the TO device.

ESWP610S | CGRS610S | FMMS610S | SCFS610S

(rrrr) Lost Owner Policy WTOR failed, waiting for owner

**Cause**
During SWAP processing Lost Owner Policy processing was entered on a non-owner system. However, the WTOR associated with the LOP OPERATOR option could not be processed due to an operating system environmental issue. Other z/OS messages might describe the reason for this issue (for example, IEA557A). It is likely that the environmental issue is temporary and is occurring due to the SWAP processing.

The non-owner AutoSwap host waits for the group owner to either be restored or a new owner to be established on a different AutoSwap host.
Action
Determine the reason for the owner system causing the non-owner to enter the LOP processing. The owner might temporarily be unavailable due to a different tardy non-owner system or elongated processing times. Where the owner is still active it is appropriate to wait for it to complete processing at which time the non-owner will continue.

ESWP612I | CGRS612I | FMMS612I | SCFS612I

(xxxxx) AutoSwap group gggggggg owner status allows selected lost owner policy: eeee

Cause
The response from the OPERATOR as a result of critical system WTOR CGRS485A is acceptable as the AutoSwap owner is no longer active or the owner has also enacted a similar action. For example, the owner has backed out. eeee is appended to this message for further information. These owner conditions allow selected LOP action:

- BACKOUT active
- BACKOUT completed
- group invalid
- SWAP disabled

Action
None.

ESWP613W | CGRS613W | FMMS613W | SCFS613W

(xxxxx) AutoSwap group gggggggg owner status disallows selected lost owner policy: eeee

Cause
The response from the OPERATOR as a result of critical system WTOR CGRS485A is NOT acceptable as the AutoSwap owner is still active and processing or the owner has completed a SWAP and the OPERATOR action would cause an issue. WTOR CGRS485A is displayed again to allow an alternate OPERATOR response. Note that where the owner is still actively swapping it is appropriate to NOT respond to the CGRS485A WTOR. In this instance, the WTOR message will be DOM’d when the owner signals the non-owner to continue.

eeee is appended to this message for further information. These owner conditions do not allow the selected LOP action:

- SWAP active
- VALIDATE active
- SWAP completed
- Request timeout
- Internal RSN rrrrrrrr

Action
Respond to message CGRS485A with an appropriate action. To force the requested action to be accepted, FORCE may be appended to the action. For example,
BACKOUTFORCE. Extreme care must be exercised in this instance as doing so could cause issues with AutoSwap hosts that have completed SWAP processing or it may cause the whole SWAP to backout.

**ESWP614E | CGRS614E | FMMS614E | SCFS614E**

(rrrrr) Alternate SSs has ccccc devices not in group ggggggg
Currently active subchannel set is
SSc
Target active subchannel set is
SSt

**Err : IODF ACTIVATE may result in loss of access to inuse devices**
**Err : IPL from SSt may result in loss of access to inuse devices**

ooooo devices are online
[(ONL)]

ddddd devices are in use by a system component
[(OSY)]

[Detail device list:
  xxxx[-yyyy][ONL|OSY]
],...
]

**Cause**
The indicated group contains TO devices in the alternate subchannel set as indicated by SSt. The currently active subchannel set is indicated by SSc.

Following a VALIDATE of such a group AutoSwap verifies whether or not the group contains all special 3390D devices in the alternate subchannel set where there is matching non-3390D non-special device in the active subchannel set.

This message is indicating that there are a count of ccccc such devices in this subchannel set not being swapped as part of this group. Following an AutoSwap SWAP of this group these devices might not be accessible following any IODF ACTIVATE during the current IPL or might not be accessible following an IPL from this TO subchannel set.

The generation of this message as either a 'W' or 'E' level message depends on whether the missing devices are online. This includes regular online devices as well as those that are in use by a system component (identified as F-SYS on a D U display).

If any online devices are detected, then an 'E' level display message is generated to indicate the loss of access will occur to in-use devices and could cause impact. In this situation, a planned swap is disallowed and the condition must be resolved. Additional lines are generated to indicate the type and count of devices causing issue:

- oooooo devices are online [(ONL)]
- dddddd devices are in use by a system component [(OSY)]

The detail device list will be shown at the conclusion of VALIDATE processing the first time this condition is detected and always for error conditions. The device list shows all the devices in the target subchannel set defined as special 3390D for which there is
a paired non-3390D non-special device in the active subchannel set which is not part of the AutoSwap group:

- ONL indicates the device range is online,
- OSY indicates the device range is in use by a system component

**Action**
Verify whether or not other devices in the subchannel set should be part of the AutoSwap group.

This condition must be resolved to allow a planned SWAP to take place. An unplanned SWAP will, however, be allowed.

**Note**
The current state of the group may be displayed using the AutoSwap 'DISPLAY GROUP gggggggg ALTSSMISSING [DETail]' operator command.

ESWP614W | CGRS614W | FMMS614W | SCFS614W

(rrrrr) Alternate SSs has ccccc devices not in group gggggggg
Currently active subchannel set is
SSc
Target active subchannel set is
SSt

**Warn:** IODF ACTIVATE may result in loss of access to devices
**Warn:** IPL from SSf may result in loss of access to devices

[Detail device list:
xxxx[-yyyy]
[,...]
]

**Cause**
The indicated group contains TO devices in the alternate subchannel set as indicated by SSf. The currently active subchannel set is indicated by SSc.

Following a VALIDATE of such a group AutoSwap verifies whether or not the group contains all special 3390D devices in the alternate subchannel set where there is matching non-3390D non-special device in the active subchannel set.

This message is indicating that there are a count of ccccc such devices in this subchannel set not being swapped as part of this group. Following an AutoSwap SWAP of this group these devices might not be accessible following any IODF ACTIVATE during the current IPL or might not be accessible following an IPL from this TO subchannel set.

The generation of this message as either a 'W' or 'E' level message depends on whether the missing devices are online. This includes regular online devices as well as those that are in use by a system component (identified as F-SYS on a D U display). If no online devices are detected, then a 'W' level display message is generated.

The detail device list will be shown at the conclusion of VALIDATE processing the first time this condition is detected and always for error conditions. The device list shows
all the devices in the target subchannel set defined as special 3390D for which there is a paired non-3390D non-special device in the active subchannel set which is not part of the AutoSwap group.

**Action**
Verify whether or not other devices in the subchannel set should be part of the AutoSwap group.

**Note**
The current state of the group may be displayed using the AutoSwap 'DISPLAY GROUP ggggggg ALTSSMISSING [DETail]' operator command.

---

**ESWP616W | CGRS616W | FMMS616W | SCFS616W**

(rrrrr)(PID ppppp) Host Read Only support for device DEV device sdddd is not in our SCF xxxx; is in yyyy.

**Cause**
The indicated device sdddd is set as Host Read Only by an SCF other than the one that AutoSwap is using. The SCF subsystem names are indicate by xxxx and yyyy.

**Action**
Verify that the Host Read Only attribute is correctly set in the appropriate SCF. If the indicated SCF yyyy is shutdown then the device might change states to Read/Write. The Host Read Only attribute can be set using the SCF.DEV.ATTR.HRO settings in SCFINI. Refer to the ResourcePak base documentation for further details.

---

**ESWP617I | CGRS617I | FMMS617I | SCFS617I**

(rrrrr)(PID ppppp) 'TO' device sdddd is ONLINE. Allowed by Host Read Only attribute.

**Cause**
Informational message to indicate that the TO device sdddd is ONLINE and the AllowOnlineToDevice AutoSwap option was set. The device is additionally set as Host Read Only. This message is indicating a valid state. Following an AutoSwap SWAP the device will remain Host Read Only.

**Action**
None.

---

**ESWP618I | CGRS618I | FMMS618I | SCFS618I**

(rrrrr)(PID ppppp) 'FROM' device sdddd has the Host Read Only attribute.

**Cause**
Informational message to indicated that the FROM device sdddd has the Host Read Only attribute set by an SCF on the local host.
Action
None.

ESWP619I | CGRS619I | FMMS6191 | SCFS619I

(rrrr)(PID ppppp) 'TO device sdddd has the Host Read Only attribute.'

Cause
Informational message to indicated that the TO device sdddd has the Host Read Only attribute set by an SCF on the local host.

Action
None.

ESWP620W | CGRS620W | FMMS620W | SCFS620W

(rrrr)(PID ppppp) 'TO device sdddd is not Host Read Only. UCB will not be swapped.'

Cause
The indicated TO device sdddd is not set as Host Read Only. The FROM device does have the Host Read Only attribute as indicated by related message ESWP618I.

When the AutoSwap SWAP is performed, the FROM device UCB will remain online and will not be swapped. In this case, the state of the FROM device depends on the AutoSwap ChangeSourceDevice (CSD) specification:

- If CSD indicates (or defaults) to one of the NRDY states, then the FROM device will become not ready to the host and any read or write accesses to the device will result in an Intervention Required condition. If the NRDY state is removed (for example, using SRDF Host Component), then the device retains the HRO attribute.
- If CSD indicates that the FROM devices should be NONRDY, then the FROM device remains HRO.

Action
Ensure that this is the desired state from the FROM device. If necessary add a SCF.DEV.ATTR.HRO.INCLUDE specification for the TO device to SCF. Refer to the ResourcePak Base documentation for further details.

ESWP621I | CGRS621I | FMMS621I | SCFS621I

(rrrr)(PID ppppp) 'FROM' device sdddd no longer has the Host Read Only attribute.'

Cause
Informational message to indicated that the FROM device sdddd no longer has the Host Read Only attribute set by an SCF on the local host.

Action
None.
ESWP622I | CGRS622I | FMMS622I | SCFS622I

(rrrr)(PID ppppp) 'TO' device sdddd no longer has the Host Read Only attribute.

Cause
Informational message to indicated that the TO device sdddd no longer has the Host Read Only attribute set by an SCF on the local host.

Action
None.

ESWP623E | CGRS623E | FMMS623E | SCFS623E

(rrrr)(PID ppppp) JES3 candidate verification failed for 'FROM'/'TO' ffff/tttt: xxxxxxxxxxxxxxxxxxxx.

Cause
During AutoSwap VALIDATE processing the indicated devices ffff/tttt failed JES3 candidate verification processing. xxxxxxxxxxxxxxxxxxxx indicates the failure reason from JES3:

- Invalid Device - Ensure the DEVICE XTYPE definitions for the devices define the same device type.
- Device in use - Another DDR process is in progress
- FROM offline to JES3
- TO online to JES3

Reason xx xx indicates an unknown code value

Action
Examine the explanation returned by JES3. If the device state with JES3 is indicated as being inconsistent with z/OS then correct the state using JES3 *V commands.

ESWP624W | CGRS624W | FMMS624W | SCFS624W

(rrrr)(PID ppppp) Required IO quiesce level lost during device modifications.

Cause
During SWAP processing the I/O quiesce level was no longer held. This would result in IO being allowed to the device. The device swap processing is terminated and a backout performed. This is an expected condition when z/OS Migrator is performing volume migration processing for paging devices. z/OS Migrator will re-attempt the SWAP.

Action
For z/OS Migrator this is an expected condition and is generated at a verbose level 3. For all other users this is an unexpected condition and could indicate an internal error. Contact the Dell EMC Customer Support Center for technical assistance.
ESWP625W | CGRS625W | FMMS625W | SCFS625W

(rrrr)(PID ppppp) FROM device sdddd not accessible : eeeeeeee

Cause
AutoSwap has detected a loss of access to FROM device sdddd. Further information as to how the loss was detected is indicated by eeeeeeee:

- No-paths(xxxxxxxx,yyyyyyyy) No-paths was detected during path validation processing. xxxxxxxx and yyyyyyy are diagnostic codes.
- UCB condition(xxxxxxxx) The UCB is in an invalid state. xxxxxxxx indicates the state reason as documented in message ESWP000E|CGRS000E||FMMS000E|SCFS000E

Action
None. If access to the device is restored then message ESWP626I|CGRS626I|FMMS626I|SCFS626I will be displayed.

ESWP626I | CGRS626I | FMMS626I | SCFS626I

(rrrr) (PID ppppp) FROM device sdddd now accessible.

Cause
Informational message indicating access to the source device is restored.

Action
None.

ESWP627I | CGRS627I | FMMS627I | SCFS627I

(rrrr)(PID ppppp) Loss of access detected to Ctrl# sdddd

Cause
Summary message generated when at least 1 device has lost access to a source storage system.

Action
None.

ESWP628W | CGRS628W | FMMS628W | SCFS628W

(rrrr)(PID ppppp) System count cannot be verified with pathgroup data due to PATHGROUP API failure.

Cause
System count processing could not verify the established pathgroups to the device due to an internal API failure. This could occur if loss of access has occurred to devices.
**ESWP630W||CGRS630W||FMMS630W||SCFS630W**

(rrrr) (PID ppppp) VALIDATE active at SWAP for high priority device 'FROM'/"TO" fffe/tttt.

**Cause**
VALIDATE processing was detected during the SWAP initiation processing of the indicated high priority device. High priority swap processing will wait for a short period of time to allow the VALIDATE processing to completed. If the group goes invalid during the VALIDATE processing then the high priority SWAP will not be initiated and message ESWP632E|CGRS632E|FMMS632E|SCFS632E will be displayed.

**Action**
None.

**ESWP631W||CGRS631W||FMMS631W||SCFS631W**

(rrrr) (PID ppppp) Paging IO detected during SWAP processing. AutoSwap processing cancelled.

**Cause**
Paging IO was detected during SWAP processing on behalf of z/OS Migrator. The SWAP processing is terminated an control is returned to migrator processing. This is an expected condition when z/OS Migrator is performing volume migration processing for paging devices. z/OS Migrator will re-attempt the SWAP.

**Action**
None.

**ESWP632E||CGRS632E||FMMS632E||SCFS632E**

(rrrr) Group found invalid during High Priority SWAP processing.

**Cause**
During SWAP initiation processing for high priority swap devices the group was found to be invalid. SWAP processing for the high priority device is not initiated. Examine the SYSLOG for addition messages to indicate the reason for the invalid state.

**Action**
In order to perform SWAP processing the group must be revalidated using the VALIDATE command.
ESWP633I | CGRS633I | FMMS633I | SCFS633I

```
(rrrrr)cccccccc request access ssssssss
Resource: EMC.ADMIN.CMD.AUTOSWAP.nnnnnnnn eeeeee

Cause
An AutoSwap operator command as indicated by cccccccc was processed through the Dell EMC SAF interface and was allowed or denied as indicate by ssssssss. When denied, the command processing is terminated. The associated resource name is indicated by nnnnnnnnn and additional security product explanation is indicated by eeeeee.

Action
If a denied message is issued, then refer to the accompanying security product messages (for example ICH408I) to determine the required resource access required.

More Information
Verbose Level: 10 when ssssssss is indicating an allowed access. Otherwise this message is not issued as a verbose message.
```

ESWP634E | CGRS634E | FMMS634E | SCFS634E

```
Cannot process command request. Incompatible with AutoSwap version (xx,xx).

Cause
An AutoSwap operator command was entered through the AutoSwap internal command interface. The interfacing product is not at the correct software level to issue this command. Diagnostic data is issued in the xx,xx fields for Dell EMC technical support.

Action
Verify that the product interfacing with AutoSwap is installed at the correct maintenance level for the underlying AutoSwap product. If the reason for the failure cannot be determined contact Dell EMC Customer Support Center for technical assistance.
```

ESWP641W | CGRS641W | FMMS641W | SCFS641W

```
(rrrrr)(PID ppppp) Host Read Only support for device sddddd cannot be determined. Using prior known state.

Cause
During a VALIDATE or SWAP request for device sddddd, AutoSwap was unable to determine the current Host Read Only (HRO) state for the device. This condition could occur, for example, when a device is inaccessible due to a no-path condition, the device has been boxed, or the HRO API times out.

This message could additionally be generated during VARY ONLINE or OFFLINE processing when AutoSwap reevaluates the HRO state.
Host Read Only is only applicable where an active EMCSCF on the local LPAR contains a SCF.DEV.ATTR.HRO.INCLUDE specification.

**Action**
AutoSwap processing continues with the last known Host Read Only state. Additional messages ESWP618I or ESWP619I will be displayed when the device is in a HRO state.

**ESWP642W** | **CGRS642W** | **FMMS642W** | **SCFS642W**

(rrrr) ChangeSourceDevice=UsrNRDY changed to NRDY for High Priority as this is unsupported on one or more hosts.

**Cause**
During Validation processing, another AutoSwap host was detected with High Priority devices that do not support CSD=USRNRDY for these devices. In this instance, the local AutoSwap host uses the NRDY setting instead of USR-NRDY to maintain compatibility with this other AutoSwap host.

**Action**
AutoSwap with High Priority and CSD=USRNRDY was added in MFE 7.5 and at some PTF levels of MFE 7.3 and MFE 7.4.

**ESWP643W** | **CGRS643W** | **FMMS643W** | **SCFS643W**

(rrrr) (PID ppppp) 'FROM' device sddddd UCB has been deleted.

**Cause**
During AutoSwap VALIDATE or SWAP processing the indicated 'FROM' device has been detected as deleted. This message is normally displayed following an IODF ACTIVATE.

**Action**
None.

**ESWP644W** | **CGRS644W** | **FMMS644W** | **SCFS644W**

(rrrr) (PID ppppp) 'TO' device sddddd UCB has been deleted.

**Cause**
During AutoSwap VALIDATE or SWAP processing the indicated 'TO' device has been detected as deleted. This message is normally displayed following an IODF ACTIVATE.

**Action**
None.

**ESWP645E** | **CGRS645E** | **FMMS645E** | **SCFS645E**

UCBPIN PIN error RC/RS xxxxxxxx/yyyyyyyy for device sddddd.
Cause
During IODF ACTIVATE processing AutoSwap failed to PIN the indicated device. This was being done in order to block the configuration change due to an unacceptable configuration change. The associated UCBPIN Return (xxxxxxxx) and Reason code (yyyyyyyy) described the UCBPIN issue. AutoSwap will attempt to PIN another device.

Action
Examine the UCBPIN Return and Reason codes to determine the reason for the failure. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

ESWP646I| CGRS646I | FMMS646I | SCFS646I

AutoSwap ACTIVATE results
ACTIVATE rejected by AutoSwap
[ACTIVATE permitted by AutoSwap]
[ACTIVATE was rejected]
[ 'TO' AutoSwap device(s) being deleted:]
[ 'TO' AutoSwap device(s) in CSS cc being deleted by hardware ACTIVATE:]
[ 'FROM' AutoSwap device(s) being deleted:]
[ 'FROM' AutoSwap device(s) UNPLANNED re-ENABLEd:]
[ 'FROM' AutoSwap device(s) in CSS cc being deleted by hardware ACTIVATE:]
Devices Affected : aaaaa Blocking : bbbbb Ranges displayed :
cccccc Not displayed : ddddd

Cause
Issued during an IODF ACTIVATE where affected devices are being managed by AutoSwap. This is a multiline message that indicates informational, warning, and error situations.

There are 3 forms of the message header:
1. ACTIVATE rejected by AutoSwap

This is issued where the IODF ACTIVATE is performing an action that will cause an issue with AutoSwap. AutoSwap will hold a blocking PIN on the ACTIVATE to prevent it being processed. Additional processing will be required to allow the ACTIVATE to proceed.

2. ACTIVATE permitted by AutoSwap

This is issued where the IODF ACTIVATE is allowed to continue. Either AutoSwap has determined that the configuration change will not cause an issue, or all affected AutoSwap groups are now SETSWAP DISABLEd.

3. ACTIVATE was rejected

An IODF ACTIVATE was rejected and AutoSwap is performing an action to reinstate device states performed during the verify stage of the ACTIVATE.

Following this header are the 'TO' and 'FROM' device ranges being affected. Each device range (list of ranges) is displayed in groups of common explanations. Some ranges could be information while others could be warning or error ranges. The common format for these explanations is as follows:

- **Note** - Indicates an information message.
- **Warn** - Indicates a warning message. This could indicate a situation that might arise once the ACTIVATE has completed and, where the SETSWAP DISABLE is active, a SETSWAP ENABLE is issued.
- **Reason** - Indicates the reason why the ACTIVATE is being blocked.

Explanations for the device ranges are as follows:

- **Note: UNPLANNED is now DISABLED**
  Informational explanation indicating that the device range was acceptable and AutoSwap has temporarily disabled the unplanned triggers for the listed device(s).
  Once the IODF ACTIVATE completes an AutoSwap VALIDATE will be performed to revalidate the devices and unplanned processing will again be enabled on relevant devices.

- **Note: UNPLANNED had been DISABLED prior to ACTIVATE**
  Informational explanation indicating that the device range was disabled for SWAP processing, most likely, via a SETSWAP DISABLE command prior to the ACTIVATE processing.
  A SETSWAP ENABLE will be required following the ACTIVATE completion to re-enable the AutoSwap group.

- **Warn: 'FROM' partner device is ONLINE and delete will result in an invalid AutoSwap group**
  Warning explanation indicating that the device range was disabled for swap processing, most likely, via a SETSWAP DISABLE command prior to the ACTIVATE processing. However, the SETSWAP DISABLE was not appropriate in this instance as the 'FROM' device is online. Following the ACTIVATE there will be no 'TO' device.
  If the 'TO' device is not re-added then the SETSWAP ENABLE will result in a VALIDATE failure.
  If the 'FROM' device is not really being accessed it may be varied offline prior to the ACTIVATE or SETSWAP ENABLE.

- **Reason: ''FROM'' partner device is ONLINE and delete will result in an invalid AutoSwap group**
  Error explanation indicating that the device range cannot be affected as the 'FROM' device is online. This is an error as AutoSwap requires a 'TO' device in order to satisfy SWAP processing where the 'FROM' device is being used.
  Otherwise access to the device will be lost following a SWAP.
  If the 'FROM' device is not really being used it may be varied offline to allow the ACTIVATE to continue.
  The only time a SETSWAP DISABLE is appropriate to bypass this condition is if the device will be re-added prior to the SETSWAP ENABLE. In some instances IODF ACTIVATE processing will delete a device UCB and then re-add it to satisfy a particular configuration change. For example, a path/chpid change. In this instance a SETSWAP DISABLE may be appropriate.

- **Reason: SETSWAP DISABLE required prior to ACTIVATE**
  A previously stated reason for this device range indicates a 'Reason' that can reasonably be satisfied by a SETSWAP DISABLE. In this instance a SETSWAP DISABLE is appropriate and should be performed prior to the ACTIVATE.

- **Reason: 'FROM' partner device UNPLANNED ENABLEd**
  Error explanation to indicate a 'TO' device is being deleted by a hardware activate and the 'FROM' device is enabled for unplanned processing. Deleting this device range could cause a SWAP failure on another LPAR if the associated 'FROM' device(s) on that LPAR are online.
  Prior to a hardware activate the software only activate should be performed on all other LPARs-1. If this has been performed then a SETSWAP DISABLE is the appropriate action on the final LPAR to allow the ACTIVATE to proceed.
• Reason: 'TO' controller ACCESS device
   Error explanation to indicate that the 'TO' storage system access, or gatekeeper device, is being deleted as part of this ACTIVATE. Deleting this device will affect AutoSwap and the EMCSCF Cross System Communication component. This could cause SWAP issues if another access device is not available.

   A new access device should be set in the EMCSCF SCFINI parameter file SCF.CSC.GATEKEEPER specification and the device being deleted should be removed and an EMCSCF INI,REFRESH command should be performed. CSC and AutoSwap will select this new access device during the INI,REFRESH processing.

   In the case where all devices are being deleted from the storage system it would be appropriate to first delete the device range from the CONGROUP AutoSwap CAX group using the CONGROUP dynamic delete command.

   The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides further information about EMCSCF and the usage of SCF.CSC.GATEKEEPER statements and INI,REFRESH commands.

• Reason: Device(s) are blocking the configuration change
   A previously stated 'Reason' is blocking the configuration change.

Summary counts follow the message ranges. The counts are as follows:

   aaaaa  Total number of AutoSwap devices being affected by the ACTIVATE.
   bbbbb  Total number of AutoSwap devices blocking the ACTIVATE.
   ccccc  Total AutoSwap device ranges displayed.
   ddddd  Total AutoSwap devices not displayed due to a buffer shortage.

Action
Examine the 'FROM' and 'TO' device ranges and the associated 'Note', 'Warn' and 'Reason' s to determine the appropriate action.

ESWP647I | CGRS647I | FMMS647I | SCFS647I

(rrrr) (PID ppppp) 'TO' device sdddd now accessible.

Cause
Information message indicating access to the target device is restored.

Action
None.

More Information
Verbose level : 3
Cannot locate 'TO' device for 'FROM' device

**Cause**

During AutoSwap VALIDATE processing AutoSwap could not locate a partner 'TO' device for the indicated 'FROM' device.

A 'FROM' device must be resolved in this instance to allow a successful SWAP to be performed. An explanation (eeeeeee) follows to indicate why this is considered an error: In each of these cases AutoSwap must be able to access a 'TO' device. Otherwise following a SWAP access will be lost.

- **'FROM' device is ONLINE.**

The 'FROM' device is in ONLINE and presumably in use.
If the 'FROM' device is not really in use then varying the 'FROM' device offline will resolve this situation.

- **'FROM' device is in altSS aa.**

The 'FROM' device is in a subchannel set other than 0 as indicated by aa. AutoSwap must always be able to SWAP a device in a non 0 subchannel set otherwise access to the data might be lost following an IPL.

- **'FROM' device is in EVME.**

AutoSwap is running as part of the zVM AutoSwap product set. The 'FROM' device is accessible to VM guests and therefore the 'TO' device must be resolved in order to allow those guests access to the data following the SWAP. Otherwise a loss of the guest or loss of data available to the guest will occur.

AutoSwap uses the facilities of EMCSC to resolve the device. Prior to declaring this an error AutoSwap may have requested EMCSCF to perform a RESCAN to ensure that the EMCSCF discovery tables are up to date.

Message ESWP244E will follow ESWP0648E to indicate the information that AutoSwap is using in order to resolve the 'TO' device.

**Action**

Resolve the issue as indicated in the explanation text. In addition, EMCSCF SCFINI EXCLUDE statements may have been specified which may have resulted in this error. If this is the case then remove those EXCLUDE statements and issue the EMCSCF DEV,RESCAN operator command.

If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**More Information**

The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides further information about EMCSCF and the usage of EXCLUDE statements.
**ESWP649I | CGRS649I | FMMS649I | SCFS649I**

(rrrr) (PID ppppp) Phase zz, serialize dynamic configuration change.

**Cause**
AutoSwap is serializing with IODF ACTIVATE processing as part of the indicated phase. AutoSwap performs this serialization to prevent its processing from impacting a configuration change.

**Action**
None

**More Information**
Verbose level : 2

---

**ESWP650W | CGRS650W | FMMS650W | SCFS650W**

(rrrr) (PID ppppp) Dynamic configuration ACTIVATE ENQ cannot be serialized during eeeeeee. Processing continues.

**Cause**
AutoSwap was unable to obtain SHR serialization to the IODF ACTIVATE ENQ during the indicated eeeeeee processing:
- VALIDATE
- SWAP[:Unplanned]

The issuance of this message indicates that processing will continue.

Prior to issuing this message AutoSwap waits for a reasonable amount of time in order to allow any dynamic configuration processing to complete. Refer to message ESWP0651W for further information.

**Action**
None. Processing continues. If a third party is holding EXCL access to the ENQ then contact that party to determine the reason.

**More Information**
Refer to message ESWP0651W for further information.

---

**ESWP651W | CGRS651W | FMMS651W | SCFS651W**

(rrrrr) (PID ppppp) Waiting for dynamic configuration change completion during eeeeeee.

**Cause**
AutoSwap is waiting to obtain SHR serialization to the IODF ACTIVATE ENQ during the indicated eeeeeee processing:
- VALIDATE
- SWAP[:Unplanned]

AutoSwap obtains this serialization in order to prevent IODF ACTIVATE processing from interfering with the indicated processing. AutoSwap will display this message...
every 10 seconds until it obtains the serialization. AutoSwap will wait up to \( \frac{1}{2} \) the cross system timeout value if an active IODF configuration change is really in progress. This can be confirmed by the z/OS operator command:

```
D IOS,CONFIG
```

A minimal 10 second wait period is applied in the following circumstances:

- IODF activate processing is not currently in progress but a third party is holding EXCL access to the ENQ, or
- if an unplanned SWAP is in effect

An active IODF configuration change can be determined using the z/OS command:

```
D IOS,CONFIG
```

In addition, the resource holder of this ENQ can be determined using the z/OS command:

```
D GRS,RES=(SYSZIOS,DYNAMIC)
```

**Action**

Following the maximum wait period processing will continue and message ESWP650W is displayed. If a third party is holding EXCL access to the ENQ, then contact that party to determine the reason.

**More Information**

Refer to message ESWP0650W for further information.

---

**ESWP657I | CGRS657I | FMMS657I | SCFS657I**

```
(rrrrr) Group gggggggg, ID iiiii SWAP processing previously completed.
```

**Cause**

Information message indicating SWAP processing has already been completed for the group and the requested action is no longer applicable.

**Action**

None

---

**ESWP658I | CGRS658I | FMMS658I | SCFS658I**

```
(rrrrr) (PID ppppp) ccccccccccccccc redrive will use devicesdddd as access was lost to device sdddd.
```

**Cause**

During SRDF reconfiguration processing the command ccccccccccccccc failed due to loss of access to the indicated device. AutoSwap has determined an alternate device to use in the redrive of this command.

**Action**

None
ESWP659W | CGRS659W | FMMS659W | SCFS659W

Cause
An error has occurred during an AutoSwap unplanned SWAP. During the SWAP, AutoSwap interfaces with an IBM service that is failing the UCB swap request. AutoSwap has determined that the UCB swap can never succeed for the indicated device. Other actions may have been attempted by AutoSwap to correct the issue prior to the issuance of this message. In order to allow the processing to continue and not result in a BACKOUT AutoSwap drops the indicated device from SWAP processing. To ensure data integrity AutoSwap prevents access to the 'FROM' device by performing a BOX operation.

The action performed by AutoSwap is indicated by 

*SWAP*

The condition occurred during SWAP processing.

*BACKOUT*

The condition occurred during swap BACKOUT processing.

A reason for the UCB swap failure is described by 

'TO' device sdddd subchannel is not enabled.

The 'TO' device cannot be the target of the UCB swap as it is not enabled. This could mean the device is BOXed. AutoSwap attempts to unBOX these devices. However, if this was not successful then it could mean that the device is no longer connected, i.e. it has been deleted.

This issue can occur if a hardware IODF ACTIVATE has been requested on one LPAR that is affecting (deleting) devices on the LPAR where the message is displayed.

Action
Following the SWAP completion determine if access to the indicated 'FROM' device is required. If so then the 'TO' device UCB is required to be accessible. If a hardware IODF ACTIVATE deleted the 'TO' UCB then it will need to be re-added and varied ONLINE.

ESWP660W | CGRS660W | FMMS660W | SCFS660W

Cause
AutoSwap has detected a loss of access to 'TO' device sdddd. Further information as to how the loss was detected is indicated by:

- No-paths(xxxxxxxx,yyyyyyyy)
  No-paths was detected during path validation processing. xxxxxxxx and yyyyyyyyy are diagnostic codes.
- UCB condition(xxxxxxxx)
  The UCB is in an invalid state. Xxxxxxxx indicates the state reason as documented in message ESWP000E.
Action
None.

More Information
If access is restored, then message ESWP647I is displayed.

ESWP661I | CGRS661I | FMMS661I | SCFS661I

(rrrrr) Group gggggggg transitioned to valid for SWAP processing eeeeeeeeeeeeee.

Cause
The indicated group which was previously marked invalid has now transitioned to a valid state.

eeeeeeeee indicates where the group is now valid:
- locally
  where the group is now valid on the local host. On a non-owner, this transition will be signaled to the owner. The owner will subsequently validate the group to determine if the group is now valid on all hosts.
- on all hosts
  where the group is now valid on all hosts. This form of the message is displayed on the owner only.

Action
None.

More Information
On notification of such a transition the owner will display message ESWP662I | CGRS662I | FMMS662I | SCFS662I prior to performing a full group validation to determine if all non-owners are now valid.

ESWP662I | CGRS662I | FMMS662I | SCFS662I

(rrrrr) Group gggggggg VALIDATE scheduled due to transition to valid on host hhhh (xxxxxxxxxxxxxxxx).

Cause
The AutoSwap group owner has been notified of a transition to a valid state from the indicated host hhhh. The owner will now perform a full group validate to ensure the group is now valid on all hosts.

The host ID (xxxxxxxxxxxxxxxx) indicates the EMCSCF known host identifier for that host. This is defined by the EMCSCF Cross System Communication component.

Action
None.

More Information
See also ESWP661I | CGRS661I | FMMS661I | SCFS661I.
(rrrr) (PID ppppp) System count cannot be verified with pathgroup data due to no access to 'FROM' device.

**Cause**
During AutoSwap VALIDATE processing the verification of online hosts cannot be completed due to the inaccessibility of a FROM device. AutoSwap uses the last known path count for system count processing and continues processing.

**Action**
None.

---

(rrrr) (PID ppppp) 'FROM' device sdddd deferred BOX processing complete.

**Cause**
During AutoSwap SWAP processing the indicated device sdddd was detected as undergoing a BOX condition. Due to the SWAP processing this BOX processing is deferred until either the SWAP completes successfully or a BACKOUT occurs.

**Action**
Refer to other IOS messages to determine the reason for the BOX condition.

**More Information**
Message ESWP659W|CGRS659W|FMMS659W|SCFS659W may have been displayed previously to indicate the BOX condition was due to an issue during the UCB swap processing.

---

(rrrr) (PID ppppp) HyperPAV Base sdddd VARY dddd, UNCOND required due to Alias teee RS x.

**Cause**
During AutoSwap HyperPAV bind processing, the indicated alias (tteeee) could not be made available to the indicate base device (sdddd). AutoSwap has attempted but failed to resolve the situation.

The RS (x) value indicates why the alias is not available:

- 0 - ALIAS state not determined
- 1 - ALIAS not HPAV ALIAS
- 2 - HPAV ALIAS UCB not found
- 3 - HPAV ALIAS UCB BOXed
- 4 - HPAV ALIAS has no-paths
- 5 - HPAV ALIAS not configured
- 6 - IOPM on BASE failed
7 - UCBINFO failed; stg short
8 - UCBINFO PAVINFO err
9 - UCBINFO HYPERPAVAIASES err
10 - HPAV BASE has no HPAV ALIAS

This message will be displayed as a non-VERBOSE message for a single base device in
the same SSID. Other base devices within the same SSID will display this message as a
VERBOSE level 3 message.

Action
Message ESWP420W will be issued indicating that a VARY dddd,ONLINE,UNCOND
will be required to rebind/make alias devices available for the indicated base. If the
alias devices are still not available following the VARY UNCOND processing, contact
the Dell EMC Customer Support Center for technical assistance. Make sure you have
all relevant job documentation including the SYSLOG and JOB log.

ESWP671E | CGRS671E | FMMS671E | SCFS671E

(rrrr)(PID ppppp) 'TO' device sdddd not accessible: eeeeeee

Cause
AutoSwap has detected a loss of access to 'TO' device sdddd. Further information as
to how the loss was detected is indicated by eeeeeee:

- No-paths (xxxxxxxxx,yyyyyyyy) - No-paths was detected during path
  validation processing. xxxxxxxxx and yyyyyyyyy are diagnostic codes.
- UCB condition (xxxxxxxxx) - The UCB is in an invalid state. xxxxxxxx
  indicates the state reason codes as documented in message ESWP000E.

AutoSwap cannot continue SWAP processing without access to the TO device. The
current SWAP will be backed out.

Action
Determine the reason for loss of access to the TO device and retry the swap.

ESWP681I | CGRS681I | FMMS681I | SCFS681I

(rrrr) Active subchannel set now set to tt from cc

Cause
The active subchannel set has been changed from tt to cc as part of the AutoSwap
SWAP completion processing.

Action
None.

ESWP683W | CGRS683W | FMMS683W | SCFS683W

(rrrrr) Group gggggggg planned SWAP disallowed due to subchannel set
configuration issue.
**Cause**  
This message is displayed following VALIDATE processing where message ESWP614E | CGRS614E | FMMS614E | SCFS614E indicated an issue in the subchannel set configuration.

**Action**  
Refer to message ESWP614E | CGRS614E | FMMS614E | SCFS614E.  
Message ESWP684I | CGRS684I | FMMS684I | SCFS684I will be displayed on a subsequent VALIDATE if the issue is detected as resolved.

**ESWP684I | CGRS684I | FMMS684I | SCFS684I**

(rrrrr) Group gggggggg planned SWAP now allowed due to resolution of subchannel set configuration issue.

**Cause**  
This message is displayed following VALIDATE processing where the subchannel set configuration issue was resolved.

**Action**  
None.

**ESWP685I | CGRS685I | FMMS685I | SCFS685I**

(rrrrr) Active subchannel set is c, target subchannel set is t.

**Cause**  
This message is displayed following VALIDATE processing to indicate the current (c) and target (t) subchannel sets.

**Action**  
None.

**ESWP688E | CGRS688E | FMMS688E | SCFS688E**

(xxxxxx)(PID xxxxxx) device size xxxxxxxx > xxxxxxxx 'FROM'/'TO' ffff/ tttt

**Cause**  
During VALIDATE processing, AutoSwap has detected an incompatible device size on the FROM device (ffff) compared to the TO device (tttt). The FROM device is larger than the TO device. SWAP processing will not be allowed.

The 'FROM'/'TO' devices (ffff/ttttt) are displayed as follows:

- **cccccc.sssssss**  
  This format is used when a z/OS device number (ccuu) could not located.
  - **cccccc** is the storage system serial number.
  - **ssssss** is the PowerMax/VMAX device number. The leading 2 digits are suppressed when zero.
•  **sdddd**  
  This format is used when a z/OS device number was located.  
  -  **s** indicates the subchannel set number.  
  -  **ddddd** indicates the 4-digit z/OS device number.  

**Action**  
DVE may have been used on the FROM device making it now incompatible with the TO device. If this is the case, then the TO device will need to be expanded to the same size prior to AutoSwap allowing the device to be swapped.  
If you cannot find the reason for the problem, contact the Dell EMC Customer Support Centre for technical assistance.

**ESWP689W | CGRS689W | FMMS689W | SCFS689W**

  (rrrrr)(PID ppppp) Partial backout processing initiated 'FROM'/"TO'
  fromdev/todev; Owner complete|LostOwnerPolicy

**Cause**  
This message indicates that only partial BACKOUT is allowed in case a non-BACKOUT LostOwnerPolicy being initiated or when a BACKOUT is being performed after group completion has occurred.  

**Action**  
None.

**ESWP690W | CGRS690W | FMMS690W | SCFS690W**

  (rrrrr)(PID ppppp) TAKEOVERasowner option is not available as BACKOUT processing is active.

**Cause**  
This message is displayed if a lost owner situation is detected at BACKOUT and LostOwnerPolicy Onswap=Operator was requested. TAKEOVERasowner is not accepted as a valid selection in this circumstance.  

**Action**  
None.

**ESWP691W | CGRS691W | FMMS691W | SCFS691W**

  (rrrrr)(PID ppppp) IOS recovery reset for DEFERRED BOX’d device sdddd.

**Cause**  
During the I/O quiesce phase of AutoSwap processing, IOS recovery being performed by the operating system was detected on the indicated device. The device is in a deferred box’d state which indicates that no I/O is currently being processed for the device pending BOX processing.  
To allow subsequent UCB swap processing to take place, IOS recovery is reset for the device and will be performed on swap completion.
ESWP688E | CGRS688E | FMMS688E | SCFS688E

Checkpoint xx release prior to processing completion allowed.

Cause
The current checkpoint level on a non-owner has been delayed, and was reached, after the AutoSwap owner posted the checkpoint completion. This may have been due to the owner reaching the CrossSystemTimeout value and continuing on without this non-owner. The indicated checkpoint level allows for this particular situation and lets the swap processing to continue. A subsequent ESWP065I | CGRS065I | FMMS065I | SCFS065I message is displayed to indicate the checkpoint success.

Action
None.
Common Swap Services
CHAPTER 4

Consistency Groups

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1564
A work request has completed. The message identifies the module that issued the request and the function code of the request. (This is a normal routine log message that is issued selectively based on current product level and debugging options.)

**mod**
Issuing module name.

**func**
Function code of request. Current function codes are:
- 0001 - Enable all CAX groups
- 0002 - Enable a group
- 0003 - Disable all CAX groups
- 0004 - Issue DOIO call through SCF
- 0005 - Issue DOIO call locally (within the address space)
- 0006 - Issue SymmAPI call through SCF
- 0007 - AutoSwap Validate
- 0008 - Issue SymmAPI call locally (within the address space)

**r15**
General register 15 at completion of request.

**r0**
General register 0 at completion of request.

**r1**
General register 1 at completion of request.

**time**
Elapsed time of request in seconds and microseconds.

**Action**
None. This information may assist Dell EMC diagnostic procedures.

**More Information**
An asynchronous work pool request has completed. The module that issued request **func** - and displayed this message - is the module named by **mod**.

The work pool is a set of subtasks that act a single asynchronous server for a variety of ConGroup functions. mod is a client module that queued the request for asynchronous processing. Eventually, the request was processed by the pool and the client received an interrupt from the pool containing the results.

This message displays the contents of that interrupt. The elapsed time reflects the actual time that the function took after the request was accepted by one of the pool worker tasks. It does not reflect the end-to-end transit time of the request from the client point of view. This message is issued selectively, based on current product level and debugging options.
Note
Not all functions may actually be used.

CGRH217I

New Gatekeeper List Acquired from SCF

Cause
ConGroup detected a new configuration that required a reacquisition of its gatekeeper list.

Action
No action necessary, informational only.

CGRP000I

ConGroup Vv.r(mm/dd/yy-hh.mm ConGroup module-PTF) Initializing>

Cause
This is the initial startup message. It displays the version of ConGroup that is running.

\textit{mm/dd/yy-hh.mm}
- The date, hour, and minute of the build. If there is no PTF, the build date is that of the ConGroup main module. If there is a PTF, the build date is that of the PTF.

\textit{v}
- The software version.

\textit{r}
- The software release level.

\textit{ConGroup module}
- The name of the ConGroup module, including the version, release, and modification level (for example, SCGP640).

\textit{PTF}
- The full name of the PTF (for example, SC64001). If no maintenance has been applied, the name of the PTF contains multiple zeros.

Action
None.

CGRP001E

NO CONGROUPS MATCH THE NAME SPECIFIED

Cause
A command was issued that specified a consistency group name. That name was not found among the consistency groups defined in the configuration file.
**Action**
Reenter the command using a defined consistency group name.

---

**CGRP002E**

RESUME I/O FOR CONGROUP cccccc FAILED ON CUU ccuu

**Cause**
A RESUME command was issued for consistency group cccccc. The ConGroup task is trying to process the command by issuing an I/O against at least one of the devices in the consistency group. The I/O was attempted on device ccuu and failed, so the ConGroup task attempts the I/O on the next device in the consistency group. Specific details of the error are found in message CGRP003E.

**Action**
No immediate action is necessary. Look further for either message CGRP005E or CGRP006I.

---

**CGRP003E**

R15=ddssnnnn SYSRC=1?rcrs

**Cause**
This message provides additional information about the error message issued immediately before it.

*dd*
The device status.

*ss*
The subchannel status

*nnnn*
The first two bytes of data from I/O:
1 = Not all devices errored out
2 = All devices errored out
3 = No SRDF groups are online
4 = All local mirrors have invalid tracks
5 = All local mirrors are not ready

*rcrs*
The response from the failed SYSCALL. A typical SYSRC would be 1702, which means that a ENABLE failed due to a bad device list. This generally means that the object is not an R1 device. Another SYSRC would be 1723, which means that a RESUME was issued for a consistency group, but there are no links online between the source (R1) and target (R2) devices.

**Action**
None.
CGRP004E

RESUME FAILED FOR CONGROUP cccccccc CTLR=ssssssssssss

Cause
A RESUME was attempted using all the devices on storage system sssssssssss for consistency group cccccccc, and all the attempts failed.

Action
Some action will be necessary depending on the nature of the problem. For more details, see the accompanying message, CGRP003E. The most likely problem is that an SRDF link needs to be varied online.

CGRP005E

RESUME PROCESSING FOR CONGROUP cccccccc IS INCOMPLETE

Cause
Accompanied by other error messages, this message warns that the consistency group cccccccc could not be resumed. The devices in the consistency group remain in suspended state.

Action
None.

CGRP006I

RESUME STARTED FOR CONGROUP cccccccc CTLR=ssssssssssss

Cause
A RESUME command was issued for consistency group cccccccc and the RESUME was started for storage system sssssssssss. Note that RESUME processing continues on other storage systems in the consistency group and the RESUME should not be deemed successful until message CGRP007I is issued; that is, the RESUME was successful on all storage systems in consistency group cccccccc.

Action
None.

CGRP007I

RESUME PROCESSING COMPLETED FOR CONGROUP cccccccc

Cause
A RESUME command was issued for consistency group cccccccc. The RESUME was successful.

Action
None.
CGRP008E

PARM ERROR - NO PARMS

Cause
A command was issued that required one or more parameters. No parameters were entered.

Action
Re-enter the command with the proper parameters. Use the HELP command for assistance.

CGRP009E

PARM ERROR - PARM TOO LONG

Cause
A command was issued with a parameter that exceeded 16 characters.

Action
Re-enter the command with the proper syntax. Use the HELP command for assistance.

CGRP010E

INVALID COMMAND

Cause
A command was issued that is not a valid consistency group command.

Action
Re-enter the correct command with the proper syntax. Use the HELP command for assistance.

CGRP011E

CLOCKN not at least twice SCF.CSC.IDLEPOLL value

Cause
ConGroup uses CSC to communicate with copies of itself in other LPARs. It uses the CLOCKN parameter to specify a repeating globalsyncpoint interval size that all ConGroups use to help coordinate their activities. To ensure reliable communication, the CLOCKN value (after dividing by 100) should not be less than twice the value specified in the CSC parameter SCF.CSC.IDLEPOLL.

Action
Correct the CLOCKN and/or SCF.CSC.IDLEPOLL value(s) and restart ConGroup and/or CSC.
Stop Already Entered. Stop Ignored.

**Cause**  
ConGroup detected that a Stop command was already in progress when a subsequent shutdown was attempted.

**Action**  
The duplicate stop/shutdown is ignored.

SCF communication lost - retrying connection

**Cause**  
ConGroup identified that an SCF has stopped running.

**Action**  
Restart SCF as soon as possible. ConGroup will attempt to reconnect to SCF on a periodic basis until normal communication is reestablished. Message CGRP020I is issued when communication is properly resumed.

INVALID DISPLAY COMMAND=>

**Cause**  
A DISPLAY command was issued, but the subcommand was invalid.

**Action**  
Re-enter the DISPLAY command with the proper subcommand.

CONGROUP NAME cccccc NOT FOUND

**Cause**  
A command was issued that entered cccccc as a consistency group name, but that consistency group name was not defined in the configuration file.

**Action**  
Check to make sure you are using the right consistency group name.
CGRP016E

FATAL ERROR IN EMC CONGROUP EOS EXIT

Cause
An error has occurred in the Dell EMC end-of-sense exit and processing has terminated.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

CGRP017E

LISTENER SUBTASK FOR CONGROUP cccccccc HAS ABENDED

Cause
An error has occurred in the listener subtask for consistency group cccccccc.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

CGRP018E

CGRPMAIN HAS DETECTED AN ABEND IN CONGROUP SUBTASK cccccccc

Cause
An error has occurred in the ConGroup task for consistency group cccccccc.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

CGRP019E

CONGROUP MAIN TASK HAS ABENDED

Cause
An error has occurred in the ConGroup main program.
Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

CGRP020I
Established communications with SCF

Cause
ConGroup has connected/reconnected to SCF.

Action
None.

CGRP021E
CGRPMAIN HAS DETECTED AN ABEND IN THE cccc SUBTASK

Cause
The ConGroup task has detected an abend in one of its subtasks.
Where cccc can be COMM for the communication subtask, WTO for the Write-to-operator subtask, or CGCK for the auto-verify subtask. ConGroup attempts to restart the subtask that abended.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

CGRP022I
RESUME IS VERIFYING DEVICES FOR CONGROUP ccccccccc

Cause
After a RESUME command is issued, the ConGroup task periodically checks the devices in the consistency group to see when the RESUME is complete. The RESUME is not complete until message CGRP007I is issued

Note
Dell EMC Mainframe Enablers Consistency Groups for z/OS Product Guide provides a description of RESUME.

Action
None.
CGRP023E

ERROR - CONTROLLER WITHOUT RDF-ECA SUPPORT DETECTED

Cause
A consistency group that was being enabled included a storage system that was below Enginuity 5671 with patch 27474 applied.

Action
Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

CGRP024E

RESUME SUBTASK FOR CONGROUP cccccccc HAS ABENDED

Cause
A RESUME was in process for consistency group cccccccc and the RESUME task abnormally terminated. While not fatal to the ConGroup task, notification of the RESUME operation completing does not occur (message CGRP007I).

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

CGRP025E

ATTACH FAILED FOR CONGROUP RESUME SUBTASK

Cause
A RESUME command failed because the RESUME subtask has abnormally terminated.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

CGRP026I

RESUME IS ALREADY ACTIVE FOR CONGROUP cccccccc

Cause
A RESUME command was issued for consistency group cccccccc while the consistency group was already in RESUME mode.
CGRP027E

REMOTE SPLIT REQUEST FOR CONGROUP cccccc DENIED

Cause
A REMSPLIT command was issued, but was unable to be processed.

Action
One of several possible additional messages will be issued explaining the reason. Review the additional message and take the appropriate action.

CGRP028E

CONGROUP cccccc IS ACTIVE

Cause
A REMSPLIT command was issued, but was unable to be processed because the consistency group is not in a suspended state.

Action
None.

CGRP029E

CONGROUP cccccc IS NOT ENABLED

Cause
A REMSPLIT command cannot be issued for a consistency group that is not enabled.

Action
The consistency group must be enabled for a REMSPLIT.

Note
The Dell EMC Mainframe Enablers Consistency Groups for z/OS Product Guide describes REMSPLIT.

CGRP030E

CONGROUP cccccc HAS A RESUME IN PROCESS

Cause
A REMSPLIT, DISABLE, ENABLE, or RESET command cannot be issued for a consistency group that has a RESUME in process.
Action
The consistency group must be in the proper state for a REMSPLIT, DISABLE, ENABLE, or RESET.

Note
The *Dell EMC Mainframe Enablers Consistency Groups for z/OS Product Guide* describes DISABLE, ENABLE, RESET, and REMSPLIT.

---

**CGRP031E**

**CONGROUP ccccccccc HAS A REMOTE SPLIT IN PROCESS**

**Cause**
A REMSPLIT command cannot be issued for a consistency group with a remote split already in process.

**Action**
The consistency group must be in the proper state for a REMSPLIT.

Note
The *Dell EMC Mainframe Enablers Consistency Groups for z/OS Product Guide* provides a description of REMSPLIT.

---

**CGRP032E**

**ATTACH FAILED FOR CONGROUP REMSPLIT SUBTASK**

**Cause**
Internal error.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

---

**CGRP033E**

**REMSPLIT SUBTASK FOR CONGROUP ccccccccc HAS ABENDED**

**Cause**
Internal error.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.
More Information
If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

CGRP034E

REMSPLIT PROCESSING FOR CONGROUP cccccccc IS INCOMPLETE

Cause
The REMSPLIT command was not successfully processed for consistency group cccccccc.

Action
See previous messages for details about why the REMSPLIT command failed.

CGRP035E

ccccccc ssssssssssss vvvvvv gg sssss bbbbbb

Cause
This message immediately follows message CGRP037E and offers details about the error.

ccccccc
Consistency group name.

ssssssssssss
Storage system serial number.

vvvvvv
Volser of the source (R1) device.

gg
SRDF group of the source (R1) device.

ssssss
PowerMax/VMAX device number of the target (R2) standard device.

bbbbbb
PowerMax/VMAX device number of the target (R2) BCV device.

Action
See message CGRP037E for the reason for the error.

CGRP036E

BCVSPLIT CALL FAILED FOR CUU=ccuu
**Cause**
A REMSPLIT command was issued and subsequently failed when a remote BCV query request was issued.

**Action**
See message CGRP037E for the reason for the error.

---

**CGRP037E**

R15=rrrrrrrr  EMCRC/EMCRS=ccccssss

**Cause**
A command issued to a storage system failed.

One of the following reason codes may appear in a CGRP037E message after a CGRP035E or CGRP036E message:

*ssss*

Specifies the reason for the error. The following are possible error codes:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>The standard device does not exist.</td>
</tr>
<tr>
<td>02</td>
<td>The standard device is a BCV device.</td>
</tr>
<tr>
<td>03</td>
<td>The standard device does not have an active BCV mirror.</td>
</tr>
<tr>
<td>05</td>
<td>The BCV device is not the device which initiated the establish command (pertains to mainframes only).</td>
</tr>
<tr>
<td>06</td>
<td>The BCV device is not a BCV device.</td>
</tr>
<tr>
<td>0A</td>
<td>The flag byte value is invalid.</td>
</tr>
<tr>
<td>0D</td>
<td>The standard device mirror are not in a ready state and the split would leave the standard device with no available mirrors.</td>
</tr>
<tr>
<td>10</td>
<td>Poll later for the end of BCV status, as the timeout on the command was reached. This error code is not an error in the true sense, as the split a BCV pair process still continues in the background. Since the timeout was reached, the host needs to later check that the split process was completed.</td>
</tr>
<tr>
<td>11</td>
<td>Re-issue the split command at a later time because the standard device is busy.</td>
</tr>
<tr>
<td>15</td>
<td>The standard device has open concurrent copy sessions.</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
</tr>
<tr>
<td>19</td>
<td>The standard device is an SRDF R2 device and the R1 local mirrors are not ready or are WRITE DISABLED.</td>
</tr>
<tr>
<td>21</td>
<td>The standard and BCV devices do not comprise a BCV pair.</td>
</tr>
<tr>
<td>22</td>
<td>The system does not have enough resources with which to execute the split process. Try again later.</td>
</tr>
<tr>
<td>23</td>
<td>The BCV mirror is not fully synchronized with the standard device mirror(s).</td>
</tr>
<tr>
<td>26</td>
<td>SDDF is not enabled, so a differential split cannot be performed.</td>
</tr>
<tr>
<td>30</td>
<td>Illegal TimeFinder command.</td>
</tr>
<tr>
<td>31</td>
<td>Code upgrade in progress.</td>
</tr>
<tr>
<td>34</td>
<td>GST queue full: re-issue command later.</td>
</tr>
<tr>
<td>35</td>
<td>BCV has File_SMMF.</td>
</tr>
<tr>
<td>36</td>
<td>The standard device would be left with invalid tracks.</td>
</tr>
<tr>
<td>37</td>
<td>A reverse split was requested on a device with only one mirror.</td>
</tr>
</tbody>
</table>

**Action**

For RC=00000018, determine the cause of the error using the reason code and take the appropriate action. For all other return codes, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and any other relevant job documentation.

---

**CGRP038E**

VERIFY PROCESSING FAILED FOR CONGROUP cccccccc

**Cause**

The verify processing for consistency group cccccccc failed.

**Action**

See the previous message for the reason why the verify processing failed.

---

**CGRP039E**

VALID OPERANDS FOR CANCEL ARE: SUSPEND, REMSPLIT, RESUME
**CGRP040I**

No HYPPRINT DD - data will be written to SCFTRACE file

**Cause**
There was no HYPPRINT DD statement provided in the JCL to run ConGroup. All records that would have been written to that DD will now be written to the SCFTRACE dataset.

**Action**
If necessary, provide the proper HYPPRINT DD and restart ConGroup. Otherwise this is informational only.

**CGRP041I**

RESUME IS NOT NECESSARY FOR CONGROUP cccccc

**Cause**
A RESUME command was issued for a consistency group that does not need a resume.

**Action**
None.

**CGRP042E**

RESUME REQUEST FOR CONGROUP cccccc DENIED

**Cause**
A RESUME command was issued, but was unable to be processed.

**Action**
An additional message is issued explaining the reason. Review that message and take the appropriate action.

**CGRP043E**

REFRESH IS IN PROGRESS

**Cause**
A command was issued, but cannot be processed because a REFRESH is currently being processed.
Action
Wait for the REFRESH processing to complete, issue the command again, if appropriate.

CGRP044E

CONGROUP cccccccc HAS A SUSPEND PENDING

Cause
The command was issued for the consistency group, but cannot be processed because the consistency group is about to be suspended.

Action
Wait for the suspend processing to complete. Then, if appropriate, issue the command again.

CGRP045E

REFRESH IS PENDING

Cause
A command was issued, but cannot be processed because the REFRESH processing is pending execution.

Action
Wait for the REFRESH processing to complete. Then, if appropriate, issue the command again.

CGRP046W

CONGROUP cccccccc HAS A RESUME ALREADY IN PROGRESS

Cause
A RESUME command was issued for the consistency group, but cannot be processed because the consistency group is currently being resumed.

Action
None.

CGRP047W

CONGROUP cccccccc HAS A REMOTE SPLIT ALREADY IN PROGRESS

Cause
A REMSPLIT command was issued for the consistency group, but cannot be processed because the consistency group is currently processing a remote split.

Action
None.
CGRP048W

CONGROUP cccccccc HAS A SUSPEND ALREADY IN PROGRESS

Cause
A suspend was issued for the consistency group, but cannot be processed because the consistency group is currently being suspended.

Action
None.

CGRP049E

TERMINATING - PROGRAM IS NOT APF AUTHORIZED.

Cause
The ConGroup address space was started, but the load library was not authorized.

Action
APF authorize the ConGroup load library and restart the ConGroup address space.

CGRP050I

SUBTASK FOR CONGROUP cccccccc IS ACTIVE

Cause
The ConGroup task has attached the listener subtask for consistency group cccccccc.

Action
None.

CGRP051I

CGROUP cccccccc POSTED - xxxxxxxxxxxx
u TRIPPED ON CUU ccuu

Cause
The ConGroup listener subtask has been posted to process a work request.

Where xxxxxxxxxxxx is the following:

A failure to write to the R2 device for CUU ccuu was detected. The consistency group is being suspended.

Action
None.
CGRP052E

SUSPEND I/O FOR CONGROUP cccccccc FAILED ON CUU ccuu

Cause
The number of device ranges allowed in a syscall was exceeded, but not flagged as an error. ConGroup currently uses a single syscall to suspend a group. This syscall is built at startup or refresh time, and was built with more ranges than allowed by the operating environment. ConGroup fails the syscall build if more than 512 device ranges are attempted. A new message is now issued if this situation arises.

Action
No immediate action is necessary. Look for message CGRP056I or CGRP216E.

CGRP053E

CGRP053E RESET REQUEST FOR CONGROUP cccccccc DENIED

Cause
Another action is begin performed against this consistency group Reset cannot be performed at this time.

Action
Attempt reset at a later time.

CGRP054E

SUSPEND FAILED FOR CONGROUP cccccccc CTLR=ssssssssssss

Cause
SUSPEND was attempted using all the devices on storage system sssssssssss for consistency group cccccccc, and all the attempts failed. Because the SUSPEND failed and I/O was resumed to the source (R1) devices, the consistency of data on the target (R2) devices is unreliable.

Action
None.

CGRP055I

SUSPEND SUCCESSFUL FOR CONGROUP cccccccc CTLR=ssssssssssss

Cause
SUSPEND was issued for consistency group cccccccc and the SUSPEND was successful for storage system sssssssssss. Note that SUSPEND processing continues on other storage systems in the consistency group. The SUSPEND should not be considered successful until message CGRP056I is issued; that is, the SUSPEND was successful on all storage systems in consistency group cccccccc.
CGRP056I

SUSPEND PROCESSING SUCCESSFUL FOR CONGROUP cccccccc

Cause
SUSPEND was issued for consistency group cccccccc and the SUSPEND was successful.

Action
None.

CGRP057I

SUBTASK FOR CONGROUP cccccccc SHUTTING DOWN

Cause
A shutdown has been requested and the consistency group listener subtask for consistency group cccccccc has acknowledged the shutdown.

Action
None.

CGRP058E

CONGROUP cccccccc IS BEING VERIFIED

Cause
The request cannot be processed at this time because consistency group cccccccc is having its devices verified.

Action
None.

CGRP059E

VERIFY FOR CONGROUP cccccccc DENIED.

Cause
The VERIFY command request cannot be processed at this time because another command is being processed by consistency group cccccccc.

Action
None.
**CGRP060E**

**AUTO VERIFY FOR CONGROUP cccccccc FAILED**

**Cause**
The auto-verify logic has detected a device in an unexpected state.

**Action**
See the preceding messages for a description of the devices in error.

---

**CGRP061E**

**A CONGROUP NAME MUST BE SUPPLIED**

**Cause**
An operator command was issued, but no consistency group name was supplied for the command to act upon.

**Action**
Reissue the operator command, and specify the name of the consistency group to be processed.

---

**CGRP062I**

**CANCEL xxxxxxxx ISSUED TO ALL CONGROUPS**

**Cause**
A CANCEL RESUME, CANCEL SUSPEND, or CANCEL REMSPLIT operator command was issued without an accompanying consistency group name. A CANCEL command was issued to all consistency groups that would have been affected by the command.

**Action**
None.

---

**CGRP063E**

**REMSPLIT FOR CONGROUP cccccccc WAS CANCELLED BECAUSE OF A TRIP**

**Cause**
During the REMSPLIT processing for consistency group cccccccc, a trip event was detected. The consistency group was suspended. The REMSPLIT processing was aborted.

**Action**
None.
**CGRP064E**

RESUME FOR CONGROUP cccccc was cancelled because of a trip.

**Cause**
During the RESUME processing for consistency group cccccc, a trip event was detected. The consistency group was suspended. The RESUME processing was aborted.

**Action**
None.

---

**CGRP065W**

THERE ARE NO DEVICES TO MONITOR FOR CONGROUP cccccc.

**Cause**
Consistency group cccccc was defined, but no devices were found to monitor for a trip event.

**Action**
The ConGroup application continues monitoring the devices defined in other consistency groups. Also, if the auto refresh processing is active, the application watches for devices defined in consistency group cccccc to become available.

---

**CGRP066E**

CONGROUP ccccccccc STATE BEING RESET

**Cause**
A reset was attempted against an R1_RO consistency group.

**Action**
None.

---

**CGRP068E**

PARM ERROR - NO PARMS

**Cause**
Internal error.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance.
CGRP069E

PARM ERROR - PARM TOO LONG

Cause
Internal error.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance.

CGRP070E

SUSPEND PROCESSING FAILED FOR CONGROUP cccccc

Cause
ConGroup’s attempt to suspend consistency group cccccc failed. The preceding error messages provide more information about the error.

This is a serious error. Because the SUSPEND failed and I/O was resumed to the source (R1) devices, the consistency of data on the target (R2) devices is unreliable.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

CGRP071I

SUSPEND IN PROGRESS FOR CONGROUP cccccc

Cause
A suspend request is being processed for consistency group cccccc.

Action
None.

CGRP072E

CTRL MIN LVL 71 PATCH 27474 REQD FOR RDF-ECA SUPPORT, groupname

Cause
A consistency group groupname that was being enabled included a storage system that was below Enginuity 5671 with patch 27474 applied.

Action
Install the minimum operating environment level and patch in order to run RDF-ECA.
CGRP073E

THE SUSPEND RETRY TIME LIMIT HAS BEEN EXCEEDED

Cause
A suspend process was active for a consistency group, and the time specified in the SUSPEND_RETRY_TIMEOUT parameter was exceeded, thereby failing the suspend process. This message is preceded by message CGRP070E. The group is prevented from further trips pending operator action.

Action
The remote data is not consistent since the suspend process could not complete normally. The consistency group may only be partially suspended, so a RESUME may need to be done. After you do a RESUME, you must issue a RESET command for the consistency group to reenable trip processing for the group. This enabling is distinct from normal ENABLE status. Normal ENABLE status means that all devices in the group have the operating environment-level consistency group feature turned on. The reenabling for trip processing through the RESET command applies only to previously failed suspends that have timed out.

CGRP074E

THE SUSPEND WAS CANCELLED BY THE OPERATOR

Cause
An operator manually cancelled an active suspend process for a consistency group. The suspend process thereby failed. This message is preceded by message CGRP070E.

Action
The remote data is not consistent since the suspend process could not complete normally. The consistency group may only be partially suspended, so a RESUME may need to be done.

CGRP075W

CONGROUP ccccccceived an ERROR WHILE SUSPENDING

Cause
A suspend process was active for a consistency group, and it encountered an error. The consistency group was configured with SUSPEND_FAILURE=WTOR and this message is the beginning of the WTOR sequence.

Action
Watch for message CGRP071I to follow.
CGRP076I

CONGROUP cccccccc REPLY “R” TO RETRY OR “C” TO CANCEL

**Cause**
An active suspend process for a consistency group encountered an error. The consistency group was configured with SUSPEND_FAILURE=WTOR and an operator must reply to this message. I/O to the devices in the consistency group is halted until a proper response is issued to this WTOR.

**Action**
The description of SUSPEND_FAILURE in the *Dell EMC Mainframe Enablers Consistency Groups for z/OS Product Guide* provides further details about the proper responses.

CGRP077E

THE SUSPEND WAS ABORTED BECAUSE A REFRESH IS IN PROGRESS

**Cause**
A suspension of a consistency group could not be processed because a REFRESH is in progress.

**Action**
None. See the associated message for information on which consistency group was being processed.

CGRP078I

SUSPEND OF CONGROUP cccccccc DELAYED BY ANOTHER COMMAND

**Cause**
A suspend of the consistency group could not occur immediately because a RESUME or a REMSPLIT command is being processed for the consistency group.

**Action**
None. The suspend is processed when the current command completes processing.

CGRP079E

THE SUSPEND WAS ABORTED BECAUSE A REFRESH IS PENDING

**Cause**
A suspend of a consistency group could not be processed because the REFRESH processing is pending execution.

**Action**
None. See the associated message for information about which consistency group is being processed.
CGRP080E

ERROR - ACTIVE SERVICE TASK DETECTED.

Cause
Internal error.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

CGRP081E

REMSPLIT NOT SUPPORTED FOR CONGROUP cccccccc.

Cause
A REMSPLIT was requested for a non-Dell EMC consistency group.

Action
None.

CGRP082E

RESUME NOT SUPPORTED FOR CONGROUP cccccccc.

Cause
A RESUME was requested for a non-Dell EMC consistency group.

Action
None.

CGRP083E

TRIP NOT SUPPORTED FOR CONGROUP cccccccc

Cause
A trip was attempted on an older IOSLEVEL consistency group. Trips are not supported on IOSEVEL consistency groups.

Action
None.
CGRP084E

BCVQUERY FAILED FOR RAGROUP=xx, UCB=yyyyyyyy, RU=uu

Cause
The BCV information could not be acquired for the named SRDF group (identified by RAGROUP). The RU=uu field specifies the last two digits of the operating environment level on the target storage system.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

CGRP085E

OWNERID required if MODE=MULTI

Cause
User has specified MODE=MULTI in the GLOBAL statement but did not specify an OWNERID. ConGroup initialization is terminated.

Action
Specify the OWNERID and restart ConGroup. When Mode=Multi is specified, GLOBAL OWNER specification is mandatory because RDF-ECA management functions are only carried out on a designated owner LPAR.

CGRP086E

CAX not started - DAS command invalid.

Cause
A ConGroup DAS command was entered to pass a command to AutoSwap, but it was not enabled.

Action
Verify the CAX statement was properly specified in the input and that there is a valid LFC for AutoSwap.

CGRP087E

BCVQUERY FAILED FOR UCB=xxxxxxxxxx

Cause
An error was encountered while attempting to gather BCV information using UCB xxxxxxxx.
Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

CGRP088I

BCV (xxxxxx) FOR STD CUU yyyy HAS BEEN ESTABLISHED/SYNCED

Cause
While processing the DEVICE_LIST_STD configuration parameter, the BCV device xxxxxx has been found to be established/synchronized to the z/OS cuu yyyy. This message is issued at initialization for any DEVICE_LIST_STD device that has a BCV currently attached. The message is also issued during REFRESH, VERIFY, and RESUME processing when a new BCV device is found to be established/synchronized to a device defined by the DEVICE_LIST_STD startup parameter.

Action
None.

CGRP089I

BCV (xxxxxx) FOR STD CUU (yyyy) IS NOT ESTABLISHED/SYNCHRONIZED

Cause
During VERIFY or RESUME processing, the BCV device xxxxxx was found to be no longer established and synchronized to the z/OS cuu yyyy.

Action
This could indicate that the BCV was split by another application while it was being managed by ConGroup. Determine if this is expected and take the appropriate action.

CGRP090E

VERIFY FOR DEVICES HAS DETECTED ERRORS.

Cause
The device verification processing has detected errors that prevent a consistency group from being enabled and resumed.

Action
Look at the preceding messages to find the device in error and take the appropriate action.

CGRP091E

DOMINO LINKS ACTIVE ON CONTROLLER xxxxxxxxxxxxxx
**CGRP092E**

DOMINO IS ACTIVE FOR [CUU nnnn| DEV# ssssss]

**Cause**
A ConGroup version has discovered the Domino indicator set for either CUU nnnn or DEV# ssssss.

**Where:**
- nnnn is the z/OS CUU of the device.
- ssssss is the PowerMax/VMAX device number of the device.

**Display of the CUU or DEV# keywords depends on whether the device was defined using the z/OS CUU or the PowerMax/VMAX device number.**

**Action**
Remove Domino support from the device.

**CGRP093E**

ENABLE REQUEST FOR CONGROUP cccccccc DENIED

**Cause**
The ENABLE request for the consistency group could not be processed.

**Action**
See the preceding message to determine why the ENABLE request could not be processed.

**CGRP094E**

CONGROUP cccccccc IS SUSPENDED

**Cause**
The consistency group cccccccc is currently in a suspended state.

**Action**
This is a descriptive message for the following message. See the following message for a description of what action has failed.
**CGRP095E**

DISABLE REQUEST FOR CONGROUP cccccccc DENIED

**Cause**
The request to disable the consistency group cccccccc could not be honored.

**Action**
See the preceding message for a description of the reason why the request cannot be honored.

---

**CGRP096E**

INVALID TRACK INFO NEEDS TO BE EXCHANGED FOR [CUU nnnn | DEV# ssssss]

**Cause**
CUU nnnn/ DEV# ssssss was discovered to require resynchronization before a resume can be performed.

Where:
- **nnnn** is the z/OS CUU of the device.
- **ssssss** is the PowerMax/VMAX device number of the device.

Display of the **CUU** or **DEV#** keywords depends on whether the device was defined using the z/OS CUU or the PowerMax/VMAX device number.

**Action**
Consult the *Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide* for a description of the re-synchronization procedure.

---

**CGRP097E**

security-failure-rsn
- AUTHREQ=authorization_level, CL=saf_class, RES=saf_resource_name
- R15=racroute_return_code, RC=racf_return_code, RS=racf_reason_code,
  SRC=saf_return_code, SRS=saf_reason_code

**Cause**
The user is not authorized to issue the operator command.

- **security-failure-rsn**
  A general text reason for the security failure.

- **AUTHREQ=authorization_level**
  The requested authorization level.

- **CL=saf_class**
  The SAF class.

- **RES=saf_resource_name**
  The SAF resource name.
R15=racroute_return_code
   The return code of the execution of the SAF macro RACROUTE.

RC=racf_return_code
   RACF return code (ESRBRRET).

RS=racf_reason_code
   RACF reason code (ESRBRREA).

SRC=saf_return_code
   SAF return code (ESRBSRET).

SRS=saf_reason_code
   SAF reason code (ESRBSREA).

Action
   If necessary, have your security administrator correct the security rules and reissue the command.

CGRP097I

ACCESS ALLOWED [- RESOURCE NOT PROTECTED]
   AUTHREQ=authorization_level, CL=saf_class, RES=saf_resource_name
   R15=0000, RC=0000, RS=0000, SRC=0000, SRS=0000

Cause
   This message is issued to indicate a successful SAF authorization when the DISPLAY_SAF.AUTH_SUCCESS configuration parameter is set to YES.

   RESOURCE NOT PROTECTED
      Indicates that the resource is not protected.

   AUTHREQ=authorization_level
      The requested authorization level.

   CL=saf_class
      The SAF class.

   RES=saf_resource_name
      The SAF resource name.

   R15=0000, RC=0000, RS=0000, SRC=0000, SRS=0000
      Indicates that the following codes are set to '0000':
         - R15 - The return code of the execution of the SAF macro RACROUTE.
         - RC - The RACF return code (ESRBRRET).
         - RS - The RACF reason code (ESRBRREA).
         - SRC - The SAF return code (ESRBSRET).
         - SRS - The SAF reason code (ESRBSREA).

Action
   None.
CGRP098E

INVALID VALUE FOR VERIFY_INTERVAL => xxx

Cause
xxx is not a valid value for the VERIFY_INTERVAL start up parameter.

Action
Correct the value specified for the VERIFY_INTERVAL parameter in the configuration file.

CGRP099E

INVALID VALUE FOR DISABLE_AT_VERIFY_ERROR => xxx

Cause
xxx is not a valid value for the DISABLE_AT_VERIFY_ERROR parameter.

Action
Correct the value specified for the DISABLE_AT_VERIFY_ERROR parameter in the configuration file.

CGRP100E

Another CG address space with the same CGSET number is running on this LPAR. Initialization terminated.

Cause
A start request was issued for CGRPMAIN when another copy of CGRPMAIN with the same CGSET number was already running on the LPAR. The task ends.

Action
Use a different CGSET number in configuration parameters in the same LPAR and retry.

CGRP101E

ATTACH FAILED FOR CONGROUP CGCK SUBTASK

Cause
A ConGroup CGCK task initialization failed.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
**CGRP102E**

ENQUEUE on CGSET Number FAILED

**Cause**
Another ConGroup address space is running on this LPAR.

**Action**
Change your CGSET number to an unused number and retry.

---

**CGRP103E**

ATTACH FAILED FOR CONGROUP cccccccc SUBTASK

**Cause**
A consistency group defined in the configuration file is being initialized and the ConGroup task failed to attach a subtask on its behalf.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

---

**CGRP104I**

EOS EXITS ARE INSTALLED

**Cause**
ConGroup task initialization has successfully installed the Dell EMC end-of-sense exit.

**Action**
None.

---

**CGRP105E**

GETMAIN ERROR FOR EOS BLOCK

**Cause**
Internal error.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
CGRP106E

SCANUCB FAILED FOR CUU ccuu

Cause
ConGroup task initialization was processing device ccuu and encountered a failure.

Action
Check with your systems programmer to make sure that device ccuu is a device defined on z/OS.

CGRP107I

CONGROUP TERMINATING

Cause
An operator has requested that the ConGroup task be shutdown and shutdown has started.

Action
None.

CGRP108I

CGRPMMain POSTING SUBTASKS TO SHUT DOWN

Cause
An operator has requested that the ConGroup task be shutdown and the ConGroup task is informing the consistency group subtasks to shutdown.

Action
None.

CGRP109I

CGRPMMain CLEANING UP OLD ENVIRONMENT

Cause
During ConGroup task initialization, startup noticed that there were remnants of an old ConGroup environment remaining from a previous running of the ConGroup task that most likely terminated abnormally.

Action
None.
**CGRP110I**

**CONGROUP cccccccc STATE HAS BEEN RESET**

**Cause**
The state of consistency group cccccccc has been reset in ConGroup’s internal tables.

**Action**
None.

**CGRP111E**

**CGRP111E CONGROUP cccccccc RESET STATE FAILED.  RC=**

**Cause**
This message can be issued from within DISPLAY CGROUP processing or RESET Congroup processing. In both processing areas, a call is made to a routine (CGRPUTIL) to ascertain the state of the consistency group by querying every device in the consistency group and aggregating the results to form a composite conggroup state. If the call to CGRPUTIL fails, the return code and reason code is returned and displayed with CGRP111E.

<table>
<thead>
<tr>
<th>Possible RC and RS values</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>RC=0, RS=0</td>
<td>No error. Message is not displayed</td>
</tr>
<tr>
<td>RC=12, RS=3</td>
<td>ERROR. Invalid parameters passed. This is an internal error.</td>
</tr>
<tr>
<td>RC=12, RS=4</td>
<td>ERROR. A call to get an individual device status failed. This means that the device was swapped and that the UCBLOOK system macro call failed within CGPSWAPC.</td>
</tr>
</tbody>
</table>

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**CGRP112I**

**MIH=xxx**

**Cause**
At startup, ConGroup displays the MIH value of the first DASD device on the system.

**Action**
None.
CGRP113E

OPEN FOR CONFIG FILE FAILED

Cause
During ConGroup task initialization, an attempt was made to open the CONFIG DD file and the open failed.

Action
Check the JCL to see that the CONFIG DD card is defined and that the dataset is a card-image file.

CGRP114W

AUTO_REFRESH IS DISABLED

Cause
This is a warning that the configuration file specified AUTO-refresh=OFF.

Action
None.

CGRP115E

CUU= WAS NOT SPECIFIED IN SYMM_DEV# STATEMENT

Cause
A SYMM_DEV# command statement did not contain the required CUU=keyword that specifies the gatekeeper z/OS CUU for the given PowerMax/VMAX device numbers.

Action
Refer to the description of SYMM_DEV# in the Dell EMC Mainframe Enablers Consistency Groups for z/OS Product Guide and correct the statement in error.

CGRP116I

HYPPRINT is Full - Now writing to SCFTRACE

Cause
All extents have been exhausted for the dataset defined by the HYPPRINT DD statement. All subsequent records will be redirected to the SCFTRACE dataset. An informational IEC030I message will have been issued by the operating system indicating the type of EOV error (e.g., B37, D37, etc.)

Action
This is informational only. If necessary provide a larger HYPPRINT dataset allocation (or simply omit the HYPPRINT and use SCFTRACE exclusively) and restart.
CGRP117E

Stmt must follow a CONGROUP definition

**Cause**
While processing the configuration file, devices were defined but there was no previous CONGROUP statement defining the name of the consistency group that the devices belonged to.

**Action**
Add a CONGROUP=statement before the device definitions to give the group of devices a consistency group name.

CGRP118E

INVALID PARAMETER VALUE=> xxxx

**Cause**
An invalid value was specified when defining a device.

**Action**
Correct the parameter value in the configuration file.

CGRP119E

INVALID SYNTAX => xxxxxxxx

**Cause**
While processing the configuration file, the characters xxxxxxxx were encountered and found to be invalid.

**Action**
Edit the configuration file and correct the problem. Look for missing commas, periods, invalid keywords, and so forth.

CGRP120E

xxxx-yyyy IS AN INVALID CUU RANGE

**Cause**
A device range was defined in the configuration file and the starting CUU, xxxx, is larger numerically than the ending CUU, yyyy.

**Action**
Correct the device range so that the numbers specify numbers from smallest to largest.
**CGRP121E**

INVALID KEYWORD => xxxxxxxxxxxxxxxx

**Cause**
While processing the configuration file, the characters xxxxxxxxxxxxxxxx were found where a keyword was expected.

**Action**
Correct the statement so that a valid keyword is specified.

**CGRP122E**

OLD CSA STG AT aaaaaaaaa HAS AN INVALID HDR - NOT FREED

**Cause**
Preceded by message CGRP109I, the ConGroup task found that the CSA storage had invalid header information, so the storage was not freed. This is caused when a newer version of ConGroup cannot clean up after a shutdown of an older version of ConGroup.

**Action**
Call your Dell EMC representative for assistance in doing a cleanup.

**CGRP123E**

SMS REQUEST FOR SMS GROUP ssssssss FAILED TO OBTAIN VOLSERS

**Cause**
While processing the configuration file, an SMS_GROUP statement was encountered and the ConGroup task attempted to obtain the volsers of the devices in the SMS group ssssssss. The request failed for the reason specified in the accompanying message CGRP124E.

**Action**
The most likely reason is that the SMS_GROUP ssssssss is not defined.

**CGRP124E**

R15=rrrrrrrrr SMSRC=cccccccc SMSRS=ssssssss

**Cause**
Preceded by message CGRP123E, this message contains the reason for the error.

**Action**
None.
CGRP125E

CONFIGURATION FILE CONTAINS ERRORS

Cause
The ConGroup task encountered errors while processing the configuration file.

Action
Look for previous messages to determine the nature of the error.

CGRP126E

INVALID PARAMETER AT xxxxxxxxxxxxxxx

Cause
While processing the configuration file, the ConGroup task encountered a parameter whose length exceeded 16 characters. The first 16 bytes of the parameter are displayed as xxxxxxxxxxxxxxx.

Action
Correct the parameter.

CGRP127W

CUU sdddd (cccccccccccc) IS AN R2 DEVICE

Cause
A locally attached R2 was encountered during startup or refresh. The group containing the device is bypassed. The identified R2 device sdddd is on storage system ccccccccccccc.

Action
Correct as necessary and restart.

CGRP128E

zzzz nnnn IS NOT AN R1 DEVICE

Cause
The configuration file specified a device, nnnn, that was not a source (R1) device.

zzzz represents the characters CUU or DEV# depending on whether the device was defined as a z/OS device or as a PowerMax/VMAX device number. nnnn specifies either an z/OS CUU number or a PowerMax/VMAX device number.

Action
None.
CGRP129E

SORTCORE FAILED FOR CONGROUP=cccccccc CTLR=ssssssssssss

**Cause**
Internal error. This message is followed by message CGRP130E.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

CGRP130E

RC=rrrrrrrrrr

**Cause**
This message accompanies message CGRP129E. Internal error.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

CGRP131E

THERE MUST BE AT LEAST ONE CONGROUP DEFINED

**Cause**
The configuration file contained no consistency groups; that is, there were no valid CONGROUP=statements.

**Action**
Change the configuration file so that it contains at least one CONGROUP=statement.

CGRP132E

GETMAIN FOR CSA STG FAILED

**Cause**
Not enough common storage (CSA or ECSA) was available.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
**CGRP133W**

**THERE ARE NO DEVICES DEFINED FOR CONGROUP cccccccc**

**Cause**
While processing the configuration file, consistency group cccccccc was defined, but there were no devices defined that belong to that consistency group.

A consistency group with no devices defined is skipped and is not displayed with the DISPLAY command. However, if AUTO_REFRESH is enabled and the consistency group definition contains an SMS group or a volser mask, devices that get varied online and belong to the specified SMS group or match the volser mask are automatically included into the consistency group. After a device is added to the consistency group, the consistency group can be displayed with the DISPLAY command.

**Action**
Define at least one device for the consistency group.

**CGRP134E**

**SAI FC01 CALL FAILED FOR CUU=ccuu**

**Cause**
A Dell EMC SAI call was issued to device ccuu and it failed. Details of the error follow in message CGRP271E.

**Action**
None.

**CGRP135E**

**CGRP135E message string**

**Cause**
This message is caused by an error in a prior SYSCALL as indicated by a CGRP003E message directly before this message.

*message string* contains an English explanation of codes displayed.

**Action**
Some action may be necessary based on the error as indicated by the *message string*.

**CGRP136E**

**INVALID MICROCODE LEVEL FOR CUU=ccuu - MUST BE 5265+**

**Cause**
Consistency group services require operating environment level 5265 or later. Device ccuu is not on a storage system with the minimum operating environment level.
CGRP137E

SAI CNFG CALL FAILED FOR CUU=ccuu

Cause
A Dell EMC SAI call was issued to device ccuu and it failed. The details of the error follow in message CGRP037E.

Action
None.

CGRP139E

SAI SYMDEVICE CALL FAILED FOR CUU=xxxx

Cause
A Dell EMC SAI call was issued to device ccuu and it failed. The details of the error follow in message CGRP271E.

Action
None.

CGRP140E

DEV xxxx RAID-10 MEMBER NOT ALLOWED ON SYMM_DEV# STMT

Cause
The device number indicated by xxxx is a RAID-10 meta member device and is rejected.

Action
Specify the meta head device number or remove the device from the consistency group definition.

CGRP141E

DEVICE REJECTED - CUU xxxx description:

Cause
The cuu indicated by xxxx has one of the following problems:

- IS A PAGING DEVICE
  The device cannot be defined to the consistency group because a z/OS paging dataset resides there and the PAGEDEV_ALLOWED parameter is set to NO.

- IS AN UNSUPPORTED PAV DEVICE
  The device cannot be defined to the consistency group because it is a PAV device that is not a COMPAV base device.
- **IS AN UNSUPPORTED SYMMETRIX MODEL**
  The device cannot be defined to the consistency group because it does not reside on a supported PowerMax/VMAX model.

- **CONTAINS A COUPLE DATA SET**
  The device cannot be defined to the consistency group because a couple dataset resides there.

- **IS NOT AN EMC DEVICE**
  The defined device is not a Dell EMC device.

- **IS A DYNAMIC RDF DEVICE**
  The cuu defined with the DEVICE_LIST_STD parameter is a dynamic SRDF device.

**Action**
Correct the device number or remove the device from the consistency group definition.

---

**CGRP142W**

**Cause**
Consistency group ccccccccc was not enabled for ConGroup protection.

**Action**
Look at the previous messages for more detail as to the reason why it was not enabled. Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

---

**CGRP143I**

**Cause**
During startup, the ConGroup task attempts to enable all the defined consistency groups. This message indicates that processing to enable all the consistency groups has completed, although it does not mean that all consistency groups were successfully enabled.

**Action**
Look at previous messages to see if any consistency groups failed to enable.

---

**CGRP144I**

**Cause**
During shutdown, the ConGroup task attempts to disable all the defined consistency groups. This message indicates that processing to disable all the consistency groups
has completed, although it does not mean that all consistency groups were successfully disabled.

**Action**
Look at previous messages to see if any consistency groups failed to disable.

### CGRP145E

**ENABLE CONGROUP cccccccc FAILED FOR CUU=ccuu**

**Cause**
The ConGroup task was attempting to enable consistency group cccccccc by issuing an I/O against at least one of the devices in the consistency group. The I/O was attempted on device ccuu and failed, so the ConGroup task attempts the I/O on the next device in the consistency group. Specific details of the error are found in message CGRP003E.

**Action**
No immediate action is necessary. Look further for either message CGRP149I or CGRP150E.

### CGRP147E

**ENABLE CONGROUP cccccccc FAILED FOR CTLR=ssssssssssss**

**Cause**
The ConGroup task attempted to enable consistency group cccccccc using all the devices on storage system sssssssssss for the consistency group, and all the attempts failed.

**Action**
Some action will be necessary depending on the nature of the problem. For more details, see the accompanying message.

### CGRP148I

**CONGROUP cccccccc IS ENABLED FOR CTLR=ssssssssssss xxxx**

**Cause**
The ConGroup task successfully enabled consistency group cccccccc for storage system sssssssssss and RDF-ECA group ID xxxx. Note that enable processing continues on all other storage systems in the consistency group and the consistency group should not be considered enabled until message CGRP149I is issued.

**Action**
None.

### CGRP149I

**CONGROUP cccccccc SUCCESSFULLY ENABLED**
Cause
Consistency group protection has been successfully enabled for consistency group cccccccc.

Action
None.

CGRP150E
CONGROUP cccccc NOT ENABLED

Cause
Enabling ConGroup protection for consistency group cccccc encountered errors and the consistency group was not successfully enabled.

Action
Check previous messages for more details as to the reason why the consistency group was not enabled.

CGRP151E
DISABLE CONGROUP cccccc FAILED FOR CUU=ccuu

Cause
The ConGroup task was attempting to disable consistency group cccccc by issuing an I/O against at least one of the devices in the consistency group. The I/O was attempted on device ccuu and failed, so the ConGroup task attempts the I/O on the next device in the consistency group. Specific details of the error are found in message CGRP003E.

Action
No immediate action is necessary.

CGRP152I

nnnn-nnnn [,nnnn-nnnn...]

Cause
This message displays the object ranges of either a ADD or DELete command (or API call) that was previously requested. The ranges will be in either device ranges or CUU ranges, corresponding to which format was used on the request.

Multiple lines will be displayed as necessary, as indicated by the last pair on the line followed by a comma:

CGRP152I 000129-000129,000130-000130,000131-000131,000132-000132,
CGRP152I 000133-000133

Action
None.
CGRP153E

DISABLE CONGROUP cccccccc FAILED FOR CTLR=ssssssssssss

Cause
The ConGroup task attempted to disable consistency group cccccccc using all the devices on storage system sssssssssss for the consistency group, and all the attempts failed.

Action
Some action will be necessary depending on the nature of the problem. For more details, see the accompanying message, CGRP151E.

CGRP154W

CONGROUP cccccccc IS DISABLED FOR CTLR=ssssssssssss

Cause
The ConGroup task successfully disabled consistency group cccccccc for storage system sssssssssss. Note that disable processing continues on all other storage systems in the consistency group and the consistency group should not be considered disabled until message CGRP167I is issued, meaning that the disable was successful on all storage systems in consistency group cccccccc.

Action
None.

CGRP155E

SAI CONFIG_RDF CALL FAILED FOR CUU=ccuu

Cause
A Dell EMC SAI call was issued to device ccuu and it failed.

Action
The details of the error follow in message CGRP037E.

CGRP157E

RDF CONFIG FOR [CUU nnnn | DEV# sssss] IS IN ADAPTIVE COPY MODE

Cause
The SRDF configuration for this device shows that it is in Adaptive Copy mode. Consistency group protection requires that a device be operating in either synchronous or semi-synchronous mode.

Where:
- 
  nnnn is the z/OS CUU of the device.
• \textit{ssssss} is the PowerMax/VMAX device number of the device.

Display of the \textit{CUU} or \textit{DEV#} keywords depends on whether the device was defined using the z/OS CUU or the PowerMax/VMAX device number.

\textbf{Action}

None.

\textbf{CGRP158E}

\textit{CUU XXXX sssssssssss IS NOT AN RDF DEVICE}

\textbf{Cause}

A non-SRDF device was included in the configuration file. All devices except for NONSHARE devices must be SRDF (R1 or R2) devices.

\textbf{Action}

Remove non-SRDF devices from the configuration file.

\textbf{CGRP159W}

\text{R2 DEVICE FOR [CUU nnnn | DEV# sssss]} \text{HAS xxxxxx INVALID TRACKS}

\textbf{Cause}

The device and its target (R2) device are not synchronized. To enable consistency group protection for a device, the device and its target (R2) device have to be fully synchronized; that is, the devices can have no invalid tracks.

\textbf{Where:}

• \textit{nnnn} is the z/OS CUU of the device.
• \textit{ssssss} is the PowerMax/VMAX device number of the device.

Display of the \textit{CUU} or \textit{DEV#} keywords depends on whether the device was defined using the z/OS CUU or the PowerMax/VMAX device number.

\textit{xxxxxx} is the count of invalid tracks.

\textbf{Action}

None.

\textbf{CGRP160E}

\textit{CUU ccuu HAS BEEN SWAPPED}

\textbf{Cause}

The UCB for CUU \textit{ccuu} has been swapped with another UCB.

\textbf{Action}

Refresh the ConGroup environment.
CGRP161E
REQUEST ABORTED - CUU ccuu HAS BEEN SWAPPED

Cause
The UCB for CUU ccuu has been swapped with another UCB so the current request could not be processed.

Action
Refresh the ConGroup environment and retry the request.

CGRP162E
R1 DEVICE FOR [CUU nnnn | DEV# ssssss] IS NOT READY

Cause
Device nnnn/ ssssss is not ready. To enable consistency group protection for a device, the device and its target (R2) device must be in ready mode.

Where:
- nnnn is the z/OS CUU of the device.
- ssssss is the PowerMax/VMAX device number of the device.

Display of the CUU or DEV# keywords depends on whether the device was defined using the z/OS CUU or the PowerMax/VMAX device number.

Action
None.

CGRP163W
R2 DEVICE FOR [CUU nnnn | DEV# ssssss] IS TARGET NOT READY

Cause
The target (R2) device for the indicated device is not ready. To enable consistency group protection for a device, the device and its target (R2) device must be in ready mode.

Where:
- nnnn is the z/OS CUU of the device.
- ssssss is the PowerMax/VMAX device number of the device.

Display of the CUU or DEV# keywords depends on whether the device was defined using the z/OS CUU or the PowerMax/VMAX device number.

Action
None.
CGRP164E

NO CONGROUPS WERE DEFINED

**Cause**
No consistency groups were defined in the configuration file.

**Action**
Correct the configuration file, either restart the ConGroup address space or reissue the REFRESH command.

CGRP165W

CUU ccuu NOT USED FOR I/O - reason

**Cause**
A necessary I/O could not be issued to CUU ccuu for the reason given in reason.

**Action**
None. The I/O is automatically issued to another device on the same storage system.

CGRP166E

SCANUCB FAILED FOR VOLSER vvvvv

**Cause**
ConGroup task initialization was processing VOLSER vvvvv and encountered a failure.

**Action**
Check with your system programmer that a device with the specified VOLSER vvvvv is a device defined on z/OS.

CGRP167I

CONGROUP cccccccc SUCCESSFULLY DISABLED

**Cause**
ConGroup protection for consistency group cccccccc has been successfully turned off.

**Action**
None.
CGRP168E

CONGROUP cccccccc FAILED TO DISABLE

Cause
The ConGroup task attempted to turn ConGroup protection off for consistency group cccccccc, but there were errors. For more details, check previous messages for messages CGRP151E and CGRP153E.

Action
None.

CGRP169E

TRIGGER_MSGID FOR CONGROUP cccccccc IS INVALID

Cause
The TRIGGER_MSGID specified for consistency group cccccccc is an invalid length. The message ID must be between one and eight characters in length.

Action
None.

CGRP170I

ALL DEVICES FOR CONGROUP cccccccc HAVE BEEN VERIFIED

Cause
A VERIFY command was issued and the command has completed successfully. All the devices in the consistency group are eligible to be enabled as part of the consistency group.

Action
None.

CGRP171I

CGCK SUBTASK HAS BEEN SUCCESSFULLY REATTACHED

Cause
The CGCK auto-verify subtask has been successfully reattached following an abnormal termination.

Action
None.
**CGRP172E**

**CONGROUP NAME IS TOO LONG => ccccccccccccccccc**

**Cause**
The name specified for a consistency group name is more than eight characters in length.

**Action**
Specify a name for the consistency group shorter than eight characters in length.

---

**CGRP173E**

**CONGROUP NAME nnnnnnnnnn HAS ALREADY BEEN DEFINED**

**Cause**
The name specified for a consistency group name has already been defined in a previous ConGroup statement. Each consistency group must have a unique name.

**Action**
Specify a unique name for the consistency group.

---

**CGRP174E**

**INVALID VOLSER MASK => cccccccccc**

**Cause**
This message appears in the following situations:

- When the only character specified in a volser mask is an asterisk (*). For example:

```
DEVICE_LIST=*
```

- When there are too many characters specified in a volser mask. For example:

```
DEVICE_LIST=ABC000*
```

**Action**
Check your parameter syntax, and resubmit the parameter.

---

**CGRP176E**

**SORTCORE FAILED - RC=xxxxxx**

**Cause**
Internal error.
Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

CGRP178E

CHKPATCH ERROR ON CUU ccuu - RC=rrrrrrrr

Cause
Internal error.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

CGRP179W

MICROCODE PATCH nnnn IS NOT LOADED ON CTRL=ssssssssssss

Cause
The ConGroup task, while checking for a valid operating environment level, detected missing maintenance.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

CGRP180E

SAF_CLASS PARAMETER IS INVALID

Cause
The value coded for the SAF_CLASS parameter is not valid.

Action
Correct the parameter value in the configuration file.

CGRP181E

SAF_PROFILE PARAMETER IS INVALID

Cause
The value code on the SAF_PROFILE parameter is not valid.
Action
Correct the parameter value in the configuration file.

CGRP182E

INVALID_SUSPEND_FAILURE_PARAMETER =>

Cause
A SUSPEND_FAILURE keyword was specified in the configuration file and was followed by an invalid parameter.

Action
Correct the error and try the configuration file again.

CGRP183E

VALID_SUSPEND_FAILURE_PARAMETERS ARE RETRY, FAIL AND WTOR

Cause
A SUSPEND_FAILURE keyword was specified in the configuration file and was followed by an invalid parameter. This message follows message CGRP182E.

Action
Correct the error and try the configuration file again.

CGRP184E

INVALID_VALUE_FOR_SUSPEND_RETRY_TIMEOUT =>

Cause
SUSPEND_RETRY_TIMEOUT was specified in the configuration file and a valid integer was not specified as a parameter.

Action
Correct the error and try the configuration file again.

CGRP185E

INVALID_VALUE_FOR_RESUME_INTERVAL =>

Cause
RESUME_INTERVAL was specified in the configuration file and a valid integer was not specified.

Action
Specify a valid integer and try the configuration file again.
CGRP186E

CUU uuuu (vvvvvv) IN GROUP ccccccc ALREADY IN ccccccc

Cause
A configuration statement added an z/OS device to a consistency group, but the device had already been defined in a previous consistency group. Another possible cause is that a configuration statement specified definition by mirror to R1 devices whose operating environment level does not support R1 device sharing.

Where:
- uuuu is the CUU.
- vvvvvv is the volser.
- ccccccc is the consistency group name.

Action
Change the configuration file so that the device in error is only included in one consistency group.

CGRP187E

DEV# nnnnnn CONGROUP ccccccccc CTLR sssssssssssss HAS BEEN DEFINED

Cause
A configuration statement added a PowerMax/VMAX device number to a consistency group, but the device number had already been defined in a previous consistency group. This message is followed by message CGRP189E.

Where:
- nnnnnn is the PowerMax/VMAX device number.
- ccccccccc is the consistency group name.
- sssssssssssss is the storage system serial number.

Action
See message CGRP189E for additional information.

CGRP189E

IN CONGROUP ccccccccc AS DEV# nnnnnn USING CUU uuuu

Cause
This message follows message CGRP187E and states where the PowerMax/VMAX device number had been previously defined.

Where:
- ccccccccc is the consistency group name.
- nnnnnn is the device number.
- uuuu is the CUU.
**Action**
Change the configuration file so that the device in error is only included in one consistency group.

**CGRP190I**

*DEBUG MODE TURNED ON*

**Cause**
Debug mode has been turned on.

**Action**
None.

**CGRP191I**

*DEBUG MODE TURNED OFF*

**Cause**
Debug mode has been turned off.

**Action**
None.

**CGRP192E**

*INVALID DEBUG VALUE - MUST BE ON, OFF, OR X*

**Cause**
Specified debug value is invalid.

**Action**
Resubmit debug value of ON, OFF, or xxxxxxxx,xxxxxxx, where xxxxxxxx,xxxxxxx is a value specified to you by Dell EMC Customer Support.

**CGRP193E**

*ENFREQ REQUEST FAILED - R15=rrrrrrrrrr*

**Cause**
Internal error.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
CGRP194E

INVALID VALUE FOR REMSPLIT_INTERVAL =>

Cause
REMSPLIT_INTERVAL was specified in the configuration file and a valid integer was not specified.

Action
Specify a valid integer and try the configuration file again.

CGRP195E

COULD NOT IMPLANT SUBSYSTEM CONTROL STRUCTURE.

Cause
Internal Error.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

CGRP196I

DEBUGGING FLAGS IN EFFECT ARE xxxxxxxx xxxxxxxx

Cause
Debug flags xxxxxxxx xxxxxxxx are in effect.

Action
None.

CGRP197E

[CUU xxxx | DEV# ssssss] IS NOT AN R1 DEVICE

Cause
When verifying the characteristics of CUU xxxx/ DEV# ssssss, it was discovered that the device is no longer marked as an R1 device.

Action
Make the device an R1 device to continue using it in the consistency group.
CGRP198E

Group defined only STD devices

Cause
It is illegal to have a consistency group containing only STD devices. The DEVICE_LIST_STD parameter was specified for a consistency group without also including a DEVICE_LIST parameter with at least one device.

Action
Remove the DEVICE_LIST_STD parameter definition from the consistency group definition or add a DEVICE_LIST parameter with at least one device to the consistency group.

CGRP199E

CUU ccuu IS NOT A STD DEVICE

Cause
The DEVICE_LIST_STD parameter defined a CCU that is not a STD device.

Action
Correct the parameter value in the configuration file.

CGRP200I

REFRESH COMPLETE - NEW CONFIG IS NOW ACTIVE

Cause
A REFRESH command was issued and the configuration file has passed the syntax and verification phase. The new configuration is now active, but errors may be encountered when the new consistency groups are enabled.

Action
Check the messages following this message and verify that the consistency groups have been enabled.

CGRP201E

REFRESH FAILED - OLD CONFIGURATION IS STILL ACTIVE

Cause
A REFRESH command was issued and the configuration file has failed the syntax and verification phase. The old configuration is still active while the configuration file contains the new configuration.

Action
Check the previous messages for the errors in the configuration file and correct them.
CGRP202E

REFRESH DENIED - CONGROUPS BEING VERIFIED

Cause
The REFRESH command cannot be processed at this time because the current state of the consistency groups is being verified.

Action
None.

CGRP203I

REMSPLIT COMPLETE FOR CONGROUP cccccccc

Cause
A REMSPLIT command was issued for consistency group cccccccc and the REMSPLIT process has completed.

Action
None.

CGRP204E

REMSPLIT FOR CONGROUP cccccccc COMPLETED WITH ERRORS

Cause
A REMSPLIT command was issued for consistency group cccccccc and the REMSPLIT process has completed with permanent errors.

Action
Review the messages issued prior to this message, and take the appropriate action.

CGRP205E

REMSPLIT FOR CONGROUP cccccccc WAS CANCELLED

Cause
A CANCEL REMSPLIT command was issued for consistency group cccccccc and the REMSPLIT process has been terminated.

Action
None.
CGRP206I

REMSPLIT FOR CONGROUP cccccc CONTINUING

Cause
A REMSPLIT command was issued for consistency group cccccc and the REMSPLIT process has received a temporary error. The process has waited the number of seconds specified in REMSPLIT_INTERVAL and is trying the remote split request again.

Action
None.

CGRP207E

RESUME FOR CONGROUP cccccc WAS CANCELLED

Cause
A RESUME process for consistency group cccccc was active and an operator issued a CANCEL command to cancel the RESUME process. Although the RESUME process is cancelled, the devices are still resumed and data continue to flow to the remote devices. Cancelling the RESUME process merely stops the notification of when the process is complete. Message CGRP007I is not issued.

Action
None. The state of the devices can be checked manually by using the VERIFY command.

CGRP208W

Waiting for Device nnnn.

Cause
ConGroup has entered Retry mode for device nnnn.

Action
None.

CGRP210E

INVALID OPTION FOR RESUME COMMAND =>xxxxxxxx

Cause
A RESUME command was issued that has an invalid option following the consistency group name. The only valid option is SPLIT.
The *Dell EMC Mainframe Enablers Consistency Groups for z/OS Product Guide* provides a description of RESUME and the SPLIT option.

**Action**
Correct the command and retry.

---

**CGRP211I**

**Wait ended for Device nnnn**

**Cause**
Retry mode has ended for device *nnnn*.

**Action**
Consult the messages that follow CGRP211I for possible error information.

---

**CGRP212E**

**DEVICESTATUS CALL FAILED FOR CUU=xxxx**

**Cause**
The cache anchored in CGCLSEG DEVS32 was stale, so a DEVICESTATUS API call was issued to refresh it. This message is followed by message CGRP271E, that provides error detail.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

---

**CGRP213E**

**CONGROUP xxxxxxxxx BUSY UNDER CONTROL OF MSC**

**Cause**
An ENABLE or DISABLE command was issued for a consistency group and the ConGroup address space was running in single mode (forced or unforced). ConGroup determined that the specified consistency group was under control of MSC. A request to allow the command to proceed was sent to MSC, but MSC did not return a proceed response within the required two second window. The command is aborted.

**Note**
CGRP213E is only issued when ConGroup is in single-LPAR mode.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct
the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**CGRP214E**

**CONGROUP ADDRESS SPACE UNDER CONTROL OF MSC**

**Cause**
A local REFRESH or STOP command was entered, but MSC was a registered master listener for REFRESH and STOP events. The request to MSC to allow the command to proceed was denied.

**Action**
Stop MSC and submit the command again.

**CGRP215E**

**REFRESH REQUEST DENIED BY MSC/STAR or STOP REQUEST DENIED**

**Cause**
Message CGRP214E was previously issued. CGRP215E is a follow-up message for CGRP214E.

**Action**
Stop MSC and submit the request again.

**CGRP216E**

**Number of device ranges exceeds 512.**

**Cause**
The number of device ranges in a SUSPEND syscall exceeds 512. A ConGroup enable at startup or refresh fails and displays this message.

**Action**
Make sure the number of device ranges in a SUSPEND does not exceed 512.

**CGRP217E**

**INVALID VALUE FOR DEBUG=>**

**Cause**
Invalid debug flags have been entered.

**Action**
Resubmit debug value of ON, OFF, or xxxxxxxxx,xxxxxxx, where xxxxxxxxx,xxxxxxx is a value specified to you by Dell EMC Customer Support.
CGRP218E

RDFEXTR CALL FAILED FOR [CUU nnnn | DEV# ssssss]

Cause
Internal error.

Where:
- \textit{nnnn} is the z/OS CUU of the device.
- \textit{ssssss} is the PowerMax/VMAX device number of the device.

Display of the \textit{CUU} or \textit{DEV#} keywords depends on whether the device was defined using the z/OS CUU or the PowerMax/VMAX device number.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

CGRP219E

RC=xxxxxxxxx RS=xxxxxxxxx

Cause
Internal error. Follows message CGRP218E.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

CGRP220E

R1 DEVICE FOR [CUU nnnn | DEV# ssssss] IS RDF-WRITE-DISABLED

Cause
The source (R1) device for device \textit{nnnn} is RDF WRITE DISABLED. In order to enable consistency group protection for a device, the device and its target (R2) device must be in ready mode.

Where:
- \textit{nnnn} is the z/OS CUU of the device.
- \textit{ssssss} is the PowerMax/VMAX device number of the device.

Display of the \textit{CUU} or \textit{DEV#} keywords depends on whether the device was defined using the z/OS CUU or the PowerMax/VMAX device number.

Action
None.
**CGRP221W**

REFRESH DENIED - CONGROUP cccccccc STATE DISALLOWS REFRESH

**Cause**
A REFRESH command was issued, but the REFRESH cannot occur because consistency group cccccccc is either suspended or has a RESUME, a REMSPLIT or a SUSPEND in process. A REFRESH cannot occur if there are active processes for any consistency group or if a consistency group is suspended.

**Action**
Reenter the command when all processes are completed and no consistency groups are suspended.

**CGRP222E**

INVALID VALUE FOR AUTO_REFRESH=>

**Cause**
The configuration specified the AUTO_REFRESH keyword and an invalid parameter was specified. Valid parameters are YES and NO.

**Action**
See the description of AUTO_REFRESH in the *Dell EMC Mainframe Enablers Consistency Groups for z/OS Product Guide*.

**CGRP223E**

R2 DEVICE FOR zzzz nnnnnn HAS R1 INVALID TRKS-RESUME CANCELLED

**Cause**
A RESUME command was issued for a consistency group that has a remote target (R2) device with source (R1) invalid tracks. The most likely reason for the source (R1) invalid tracks is that the target (R2) device was brought online and data was written to it. This message is issued for each target (R2) device that has source (R1) invalid tracks.

zzzz represents the CUU or PowerMax/VMAX device number depending on whether the device was defined as an z/OS device or as a PowerMax/VMAX device number. nnnnnn specifies either a z/OS CUU number or a PowerMax/VMAX device number.

**Action**
This is a recovery situation. Be careful to avoid data loss or data corruption. The *Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide* describes recovery procedures. Always contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and any other relevant job documentation.
**CGRP224E**

MICROCODE PATCH xxxxx IS NOT LOADED ON CTLR=nnnnnnnnnnn

**Cause**
During startup or refresh, ConGroup detected the absence of a critical operating environment patch. Without the missing patch ConGroup could not operate properly. If detected at startup, ConGroup terminates. If detected during refresh, ConGroup fails the refresh process and re-institutes the prior configuration.

**Action**
Ensure that missing patch is applied to the specified storage system before restarting or refreshing ConGroup. Contact the Dell EMC Customer Support Center for technical assistance.

**CGRP225E**

ADD/DEL failed, CUU or DEV range not ascending

**Cause**
ConGroup detected that a symmdev# range pair was not in ascending order. The command failed.

**Action**
Correct the erroneous range in the SYMMDDEV# statement and rerun the command.

**CGRP226E**

Group has Invalid Tracks

**Cause**
This message is issued during an attempt to enable a group if the group being enabled has invalid tracks. The enable is aborted.

**Action**
Fix the reason the devices have invalid tracks and retry the Enable.

**CGRP227E**

SCF IS NOT RUNNING

**Cause**
This can be the case for two reasons:
1) SCF has not been started yet.
2) The SCF$nnn DD statement in the utility JCL is not matching the one in the SCF JCL.
Action
Either start SCF or cancel ECGUTIL. Make the SCF$nnn DD statement the same in SCF and the utility JCL. Restart the appropriate programs.

CGRP237E

INVALID VALUE FOR START=>

Cause
An invalid value was specified for the START keyword. Valid values are WARM and COLD.

Action
Enter a valid value for START.

CGRP244E

INVALID VALUE FOR DISABLE_AT_SHUTDOWN=>

Cause
An invalid value was specified for the DISABLE_AT_SHUTDOWN keyword. Valid values are YES and NO.

Action
Specify a valid value for DISABLE_AT_SHUTDOWN.

CGRP247E

ATTACH FAILED FOR CONGROUP WTO SUBTASK

Cause
A ConGroup messaging subtask initialization failed.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

CGRP251E

TDMF IS ACTIVE ON CUU xxxx- CONGROUP HALTED

Cause
TDMF, Transparent Data Migration Facility, an IBM (Softek) product, has been found to be active for the given device. To maintain data consistency, ConGroup and TDMF cannot be active simultaneously on the same devices.

Action
Remove TDMF from the device and restart ConGroup.
CGRP252W

REFRESH IS ALREADY IN PROGRESS

Cause
The operator issued a REFRESH command when a refresh request was already being processed.

Action
None. The REFRESH command just issued is ignored.

CGRP257E

ATTACH FAILED FOR REFRESH MONITORING SUBTASK

Cause
An attempt to attach the refresh monitoring subtask failed.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

CGRP258W

CANCEL RESUME DENIED. RESUME IS NOT IN PROGRESS.

Cause
A CANCEL RESUME command was issued against a consistency group that is not currently processing a resume.

Action
None. The request is ignored.

CGRP259W

CANCEL REMSPLIT DENIED. REMSPLIT IS NOT IN PROGRESS.

Cause
A CANCEL REMSPLIT was requested against a consistency group that is not currently processing a remote split operation.

Action
None. The CANCEL REMSPLIT request is ignored.
**CGRP260W**

CANCEL SUSPEND DENIED. SUSPEND IS NOT IN PROGRESS.

**Cause**
A CANCEL SUSPEND operator command was issued for a consistency group, but the consistency group is not currently executing suspend processing.

**Action**
None.

**CGRP261E**

REQUEST ABORTED - CUU ccuu HAS BEEN SWAPPED

**Cause**
The UCB for CUU ccuu has been swapped with another UCB so the current request could not be processed.

**Action**
Refresh the ConGroup environment then try the request again.

**CGRP262E**

SPLIT OPTION SPECIFIED, BUT CONGROUP IS NOT SUSPENDED

**Cause**
A RESUME request with the SPLIT option was requested for a consistency group, but the consistency group is not currently in a suspended state.

**Action**
None. The request is not processed.

**CGRP264E**

CANNOT GET REMOTE RDF INFORMATION FOR RAGROUP xx

**Cause**
An error was encountered while attempting to collect SRDF information for the specified SRDF group.

**Action**
The description of CGRP037E contains more information.
CGRP267E

BCV FOR CUU yyyy IS NOT SYNCHRONIZED

Cause
While processing the cuu defined with the DEVICE_LIST_STD parameter, a BCV device was found established to the CUU device, but it is not synchronized.

Action
If a BCVSPLIT has occurred, the BCV needs to re-established to the device. If a BCVSPLIT has not occurred, the synchronization process is most likely still running.

CGRP268E

THERE IS NO BCV ESTABLISHED AND SYNCHRONIZED TO STD CUU yyyy

Cause
While processing the cuu defined with the DEVICE_LIST_STD parameter, no BCV device was found to be established to device CUU yyyy.

Action
In order to enable and resume the consistency group containing this device, a BCV device must be established to the CUU device and synchronized.

CGRP269E

BCV SPLIT FAILED FOR STD CUU yyyy.

Cause
The suspend logic was unable to successfully perform a BCVSPLIT for CUU yyyy.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

More Information
If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

CGRP270E

BCV QUERY FOR DEVICES ON CONTROLLER xxxxxxxxxxxx FAILED

Cause
During suspend processing, the BCV information for the DEVICE_LIST_STD defined devices on storage system xxxxxxxxxxxx could not be collected.
**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

*CGRP271E*

R15=xxxxxxxx EMCRC/EMCRS=yyyyyyyyy EMCRCX=xxxxxxxx

**Cause**
This general message provides additional error information for the preceding message.

**Action**
None. This information may be needed by the Dell EMC Customer Support Center to aid in problem diagnostics.

*CGRP272E*

SEMISYNC_ALLOWED PARAMETER MUST BE YES OR NO

**Cause**
An invalid value was coded on the SEMISYNC_ALLOWED parameter.

**Action**
Correct the parameter value in the configuration file.

*CGRP273E*

RDF CONFIG FOR [CUU nnnn] DEV# ssssss IS IN SEMI-SYNC (J1) MODE

**Cause**
The device identified with CUU nnnn/DEV# ssssss is in semi-synchronous mode, but SEMISYNC_ALLOWED=NO is in effect.

Where:
- nnnn is the z/OS CUU of the device.
- ssssss is the PowerMax/VMAX device number of the device.

Display of the CUU or DEV# keywords depends on whether the device was defined using the z/OS CUU or the PowerMax/VMAX device number.

This message may appear if the group is a CAX group regardless of the value of the SEMISYNC_ALLOWED parameter.

**Action**
Either change the device state to synchronous (J0) mode, change SEMISYNC_ALLOWED=YES, or remove the device from the consistency group.
**CGRP274E**

GETCPLFL CALL FAILED (xxxxxxxx/xxxxxxxx/xxxxxxxx/xxxxxxxx)

**Cause**
Internal Error.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**CGRP275E**

PAGEDEV_ALLOWED PARAMETER VALUE MUST BE YES OR NO

**Cause**
The PAGEDEV_ALLOWED start-up parameter was specified with an invalid value.

**Action**
Correct the value specified for the PAGEDEV_ALLOWED parameter in the configuration file.

**CGRP277E**

No Protection Specified for CUU ccuu RAGROUP xx

**Cause**
The SRDF group information could not be found for the device.

Whenever devices are read in the input stream via SCFG/GNS, you may have to specify a SYMGROUP to cover the RA Groups the explicit DEVICE_LISTs are under (specifically if they are not in the same RA Group as the devices in the SCFG file).

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**CGRP278E**

INSUFFICIENT STORAGE TO ALLOCATE xxxxxxx

**Cause**
Insufficient private storage was available for processing.
Action
Increase the region size of the ConGroup address space.

CGRP279E

ALL LOCAL MIRRORS FOR [CUU xxxx | DEV# ssssss] ARE NOT READY

Cause
All local mirrors for CUU xxxx (or DEV# ssssss) are not ready.
Where:
• nnnn is the z/OS CUU of the device.
• ssssss is the PowerMax/VMAX device number of the device.

Display of the CUU or DEV# keywords depends on whether the device was defined using the z/OS CUU or the PowerMax/VMAX device number.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

CGRP280W

OLD ENVIRONMENT WAS FORCEFULLY DETACHED

Cause
ConGroup was directed to forcibly overlay the SSCTSUSE field at startup. This should only occur under specific direction of Dell EMC Customer Support by specifying a specific debug flag for that purpose.

Action
None.

CGRP281I

BUILD DATE: mm/dd/yy-hh.mm ConGroup module - PTF

Cause
This is an informational message that documents the date on which the most recently assembled module (or PTF) was assembled. It may be used by Dell EMC Customer Support for diagnostic purposes.

mm/dd/yy-hh.mm indicates the date, hour, and minute of the build. If there is no PTF, the build date-time of the ConGroup main module. If there is a PTF, the build date-time is that of the PTF.

ConGroup module specifies the name of the ConGroup module, including the version, release, and modification level (for example, SCGP640).

PTF specifies the full name of the PTF (for example, SC64001). If no maintenance has been applied, the name of the PTF is PTF00000.
CGRP282I

**Command**

Command

**Cause**

This is an informational message that documents which commands have been used. The message is used to echo operator commands.

**Action**

None.

CGRP283E

**xxx SUBTASK ATTACH LIMIT EXCEEDED**

**Cause**

ConGroup detected that the xxxx subtask terminated and attempted a restart, but the task has already been restarted more times than is allowed. xxxx can be either COMM for the communication task, WTO for the Write-to-Operator Task, or CGCK for the auto-verify task.

**Action**

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

CGRP284E

**Keyword USE_RDF_ECA is obsolete**

**Cause**

If USE_RDF_ECA=NO is specified, this message is issued and initialization is terminated. USE_RDF_ECA=NO is no longer a supported option. As of Release 7.0 USE_RDF_ECA=YES is the default and is accepted for compatibility and ease of migration to the new release.

**Action**

Remove the statement and restart.

CGRP285E

**ConGroup State Invalid for Command**
Cause
This message is issued when a command is entered and ConGroup is not in the proper state to be able to act on the request.

Action
See the CGRP282I message for the command that could not be executed. Ensure that ConGroup is not being shut down or in some transient state, then reissue the message when that situation clears.

CGRP286E

Set Owner for Group group failed: rc rsn

Cause
This is a result of either a ConGroup PIN or UNPIN command, where:

- \textit{group} = the consistency group name
- \textit{rc} = JRRS return code
- \textit{rsn} = JRRS reason code

Action
If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

CGRP288E

R2 DEVICE FOR [CUU nnnn | DEV# ssssss] is RDF-WRITE-DISABLED

Cause
The R2 device for the device identified with CUUnnnn/DEV#ssssss is in a RDF-Write-Disabled state. One possible cause for this is that the R2 device is in a R/W state. A second possible cause is that the R2 device has been made Not Ready on the link. During suspend processing the I/O for this device would not be halted for the given reason.

Where:
- \textit{nnnn} is the z/OS CUU of the device.
- \textit{ssssss} is the PowerMax/VMAX device number of the device.

Display of the \textit{CUU} or \textit{DEV#} keywords depends on whether the device was defined using the z/OS CUU or the PowerMax/VMAX device number.

Action
Change the state of the R2 device to RDF-Write-Enabled.

CGRP289W | CGRP289E

ADCOPY mirror [CUU cuu|DEV symdv#] RA srdfgrp protection specified
Cause
This message is issued at startup and when running a REFRESH (W) and/or ENABLE, VERIFY (E) command if an ADAPTIVE COPY mirror is detected that is also being specified to be protected.
Adaptive Copy and SRDF/A devices cannot be included in a consistency group. In addition to issuing this warning or error message, any "protected" ADCOPY mirrors will be excluded from the group.

Action

CGRP290W
NO DEVICES TO PROTECT WERE FOUND IN ANY CONGROUP

Cause
After reading the configuration datasets, no R1 devices were found that could trip the consistency group.

Action
None.

CGRP291E
INVALID SYMM SERIAL NUMBER => xxxxxxxxxx

Cause
While processing the input configuration file, a parameter was found that specified an invalid storage system serial number. This can occur during processing of a SYMGROUP statement.

Action
Locate and correct the storage system serial number specified by xxxxxxxxxx.

CGRP292E
INVALID RA GROUP NUMBER => xx GIVEN FOR SER # xxxxxxxxxx

Cause
While processing the input configuration file, an invalid SRDF group number was specified in a SYMGROUP statement for the storage system serial number xxxxxxxxxx.

Action
Locate and correct the SRDF group number specified by xxxxxxxxxx.
CGRP293E

NO REMOTE MIRRORS ON CONSISTENT GROUPS FOR [CUU nnnn | DEV# ssssss]

**Cause**
While processing the input configuration file, a device identified with CUU nnnn/DEV# ssssss was found to have no synchronous remote mirrors on a consistent SRDF Group defined by the SYMGROUP parameter or implied by the absence of a SYMGROUP statement.

Where:
- *nnnn* is the z/OS CUU of the device.
- *ssssss* is the PowerMax/VMAX device number of the device.

Display of the CUU or DEV# keywords depends on whether the device was defined using the z/OS CUU or the PowerMax/VMAX device number.

**Action**
Ensure at least one of the remote mirrors for this device has a consistent SRDF group defined by the SYMGROUP=parameter. R1 devices must be in synchronous mode and cannot be in Adaptive Copy mode.

CGRP294E

INVALID RA GROUP RANGE => xxxxxx

**Cause**
While processing the input configuration file, a parameter was found specifying an invalid SRDF group range.

**Action**
Locate and correct the SRDF group range specified by xxxxxx.

CGRP301E

RELEASE OF THE OPERATING SYSTEM IS NOT SUPPORTED

**Cause**
The release of operating system currently running is not supported.

**Action**
Contact the Dell EMC Customer Support Center for technical assistance.

CGRP302W

DEV# xxxx PAGE DATASET on DEVICE
or

DEV# xxxx IOSLEVEL WAS SET HIGH

or

CUU xxxx Page DATA SET on DEVICE

or

CUU xxxx IOSLEVEL WAS SET HIGH

**Cause**

An error was encountered during End-of-Sense processing. If the error occurred on a gatekeeper for a SYMMDEV, then DEV# is displayed. If the device was not a gatekeeper, then CUU is displayed.

**Action**

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

---

**CGRP303E**

**SYMMETRIX CONTROL FACILITY IS NOT AVAILABLE**

**Cause**

The Symmetrix Control Facility must be active on the LPAR for the ConGroup utility to function properly.

**Action**

Start the Symmetrix Control Facility and try the operation that failed again.

---

**CGRP304E**

**COUPLEDEV_ALLOWED PARAMETER MUST BE YES OR NO**

**Cause**

A value other than YES or NO was specified.

**Action**

Submit the request again with YES or NO specified.

---

**CGRP305E**

**CUU xxxx IS A PAGING DEVICE**

**Cause**

While verifying the devices in a consistency group, CUU xxxx was discovered to have a paging dataset, but devices with paging datasets have not been allowed.
Action
Either remove the device from the consistency group definition, specify the PAGEDEV_ALLOWED=YES, or move the paging dataset to another device.

CGRP306E

INVALID COMMAND OPTION => xx

Cause
The last operator command was issued with an invalid option.

Action
Reissue the operator command with the correct command option.

CGRP307E

CUU xxxx CONTAINS A COUPLE DATA SET

Cause
While CUU xxxx was being verified, a couple dataset was found to be allocated on the volume.

Action
ConGroup currently does not support volumes containing couple datasets. Either remove the CUU from the consistency group definition or relocate the couple dataset to another volume.

CGRP307W

PAGEDEV_ALLOWED (SEE PRODUCT GUIDE FOR USAGE CONSIDERATIONS)

Cause
PAGEDEV_ALLOWED was specified in the parameter file.

Action
See the description of PAGEDEV_ALLOWED in the Dell EMC Mainframe Enablers Consistency Groups for z/OS Product Guide for usage considerations.

CGRP308E

CGRPUTIL ERROR. FC=xxxx, RC=xxxxxxxx, RSN=xxxxxxxx

Cause
Internal error. Depending on the error condition, this message may be preceded by another message containing additional information about the error.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct
the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

CGRP309E

NO CONGROUP NAME WAS SUPPLIED

Cause
A parameter to define a consistency group was encountered in the configuration file, but a name for the consistency group was not supplied.

Action
Correct the configuration file parameter that defines the consistency group.

CGRP310E

CONFIG FILE ERROR FOUND ON LINE xxxx

Cause
An error was detected in line xxxx in the configuration file. This message is proceeded by another message containing additional information about the configuration parameter that is in error.

Action
Correct the configuration file parameter.

CGRP311E

INVALID VALUE FOR DISPLAY_CONGROUP_LISTOPT => xx

Cause
Value xx is not valid for the DISPLAY_CONGROUP_LISTOPT configuration parameter.

Action
Correct the value specified for the DISPLAY_CONGROUP_LISTOPT parameter in the configuration file.

CGRP312E

INVALID VALUE FOR RESUME_OPTION => xx

Cause
Value xx is not valid for the RESUME_OPTION configuration parameter.

Action
Correct the value specified for the RESUME_OPTION parameter in the configuration file.
CGRP313E

INVALID VALUE FOR REMSPLIT_OPTION => xx

Cause
Value xx is not valid for the REMSPLIT_OPTION configuration parameter.

Action
Correct the value specified for the REMSPLIT_OPTION parameter in the configuration file.

CGRP314E

NO REMOTE BCV FOUND FOR xxxx | yyyyyy (ssssssssss) RAGROUP ra

Cause
During REMSPLIT processing, no BCV was found to be attached to CUU xxxx or DEV# yyyyyy on storage system serial number sssssssssss, RA group ra.

This message is only issued if the configuration parameter REMSPLIT_OPTION=NOESTERR is in effect.

Action
The processing continues, but the overall REMSPLIT process is incomplete.

CGRP321E

PARAMETER MUST BE SPECIFIED PRIOR TO ANY CONGROUP DEFINITION

Cause
A global configuration parameter was found in the configuration file after the definition of a consistency group.

Action
Move any global configuration parameters to the beginning of the configuration file, before any consistency group definition.

CGRP336E

SUSPEND_FAILURE PARAMETER MUST BE SPECIFIED

Cause
The consistency group level parameter SUSPEND_FAILURE was not specified for at least one consistency group. This message is followed by message CGRP125E. Then, ConGroup terminates without completing initialization or it will fail its refresh if the message was encountered during refresh.
Action
Correct your configuration file to include a SUSPEND_FAILURE parameter for each group.

CGRP349I

xxxxxxx STATE CHANGE FROM yyyy to zzzz

Cause
The auto-verify logic has detected that the state of consistency group xxxxxxxx has changed from yyyy to zzzz. yyyy and zzzz can have the following values:

- **DISABLED**: ConGroup is disabled.
- **ENABLED/ACTIVE**: ConGroup is enabled and the data from the primary side is being synchronized to the secondary side.
- **ENABLED/SUSPENDED**: ConGroup is enabled, but the data from the primary to the secondary side has been disabled.
- **UNKNOWN**: The devices in the consistency group are not in a consistent state (i.e. some may be ENABLED/ACTIVE, with others are ENABLED/SUPENDED, etc.)

Action
A state change may or may not represent an error. See the preceding messages to determine if the state change was considered to be an error by the ConGroup.

CGRP351E

PARM MUST BE SPECIFIED BEFORE OTHER PARMS => parm

Cause
The parm parameter must be one of the first parameters defined in the configuration file.

Action
Correct the configuration file.

CGRP352E

INTERNAL CALL FAILED. RC=xxxxxxxx, RSN=yyyyyyyy, ID=zz

Cause
An internal error was encountered.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
CGRP354E

SCFG NAME IS INVALID => gns_grpname

Cause
A GNS group with an invalid name or missing group was encountered while processing the configuration file.

Action
Correct the GNS group name that is in error or if group is missing, add the group with utility EMCGROUP, and then restart ConGroup.

CGRP355E

GROUP NAME SERVICES NOT ACTIVE

Cause
Group Name Services (GNS) is not active. It is required for ConGroup to function. SCF.GNS.ACTIVE in the SCF ini file is not set to YES or you are running a version of ResourcePak Base that does not support GNS.

Action
Start GNS.

CGRP356E

SCFG ERROR. RC=xxxxxxxxx RS=xxxxxxxxx

Cause
An error was detected while attempting to access GNS. The return code and reason code is displayed.

Action
Consult the appropriate documentation (the section “Group Name Service Reason Codes”) to interpret the return code and reason code. Correct the error and restart ConGroup.

CGRP361E

RE-ARM OF CUU xxxx FAILED

Cause
Resume failed for an individual R1 that supports concurrent SRDF pair or R2s. This rearm action is taken when the unprotected leg of a concurrent pair trips and CONSISTENT_LINK_TRIP=YES has been specified.

CONSISTENT_LINK_TRIP only applies to Enginuity 5x68 and earlier. CONSISTENT_LINK_TRIP defaults to NO. NO causes a consistency group to trip if
either leg of a concurrent pair trips (this is consistent with older versions of ConGroup that did not have the SYMGROUP parameter).

YES tells ConGroup to examine the mirror that tripped to see if it was intended (by use of the SYMGROUP parameter) to be protected or not. If not, the device is rearmed and the trip is aborted. In Enginuity 5x69 and later levels of the operating environment, ConGroup actually arms by mirror, so it is impossible for an unprotected mirror to trip and therefore the parameter does not apply.

**Action**

Determine cause of rearm failure and correct.

### CGRP362E

**FAILURE WHILE GETTING DEVICE STATUS FOR CU***

**Cause**

Device status information could not be obtained for device with trip indication. The routine that issues this message is checking all devices to make sure that there is at least one device that is legitimately causing a trip.

Unless a complete and successful DEVICESTATUS examination of all devices does not find a legitimately tripping device, the routine allows the trip to continue. A failed DEVICESTATUS call is therefore displayed, but does not prevent the trip. The trip continues.

**Action**

None.

### CGRP363E

**INVALID VALUE SUPPLIED FOR CONSISTENT_LINK***

**Cause**

YES or NO was not coded for CONSISTENT_LINK_TRIP.

**Action**

Specify YES or NO.

### CGRP364W

**INVALID OPTION FOR DISPLAY ENVIRONMENT COM***

**Cause**

One or more extra options was specified on an DIS ENV command. The extra option is ignored.

**Action**

None.
CGRP368W

SEMISYNC ALLOWED (SEE PRODUCT GUIDE FOR USAGE CONSIDERATIONS)

Cause
SEMISYNC_ALLOWED was specified in the parameter file.

Action
See the description of SEMISYNC_ALLOWED in the Dell EMC Mainframe Enablers Consistency Groups for z/OS Product Guide for usage considerations.

CGRP369E

SUSPEND_FAILURE=WTOR IS ONLY VALID WHEN RUNNING SUB=MSTR

Cause
SUSPEND_FAILURE=WTOR was coded in the configuration file, but the ConGroup address space is not running under the Master subsystem.

Action
Either change the value of the SUSPEND_FAILURE parameter or restart the ConGroup address space as a started task using SUB=MSTR.

CGRP370W

PAGEDEV_ALLOWED (SEE PRODUCT GUIDE FOR USAGE CONSIDERATIONS)

Cause
PAGEDEV_ALLOWED was specified in the parameter file.

Action
See the description of PAGEDEV_ALLOWED in the Dell EMC Mainframe Enablers Consistency Groups for z/OS Product Guide for usage considerations.

CGRP371W

COUPLEDS_ALLOWED (SEE PRODUCT GUIDE FOR USAGE CONSIDERATIONS)

Cause
COUPLEDS_ALLOWED was specified in the parameter file.

Action
See the description of COUPLEDS_ALLOWED in the Dell EMC Mainframe Enablers Consistency Groups for z/OS Product Guide for usage considerations.
CGRP373E

Error loading config array

**Cause**
Internal error during configuration file processing.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

CGRP374E

Error reading config array

**Cause**
Internal error during configuration file processing.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

CGRP375E

Error in CAX= statement

**Cause**
Syntax error in CAX statement.

**Action**
Review statement and correct CAX syntax.

CGRP376E

No matching CASOPTS statement found. ConGroup will not start.

**Cause**
A CAX statement did not have a matching CAXOPTS statement anywhere in the configuration file.

**Action**
Review statement and correct CAX syntax.

CGRP378I

Congroup ccccccccc swapping
Consistency Groups

or

Congroup cccccccc AutoSwap quiesced locally

or

Congroup xxxxxxxx AutoSwap globally complete

Cause
Progressive state of the swap process.

- **Swapping** means that AutoSwap has begun swapping, but has not yet made quiescent all R1 IO on the local system for this congroup.
- **AutoSwap quiesced locally** means that all local IO has been quiesced.
- **AutoSwap quiesced globally** means that R1 IO for this congroup has been quiesced on all participating LPARs.

Action
None.

**CGRP379E**

SEMISYNC toleration and SDAS protection are incompatible

Cause
Semisync cannot be specified for an S/DAS protected ConGroup. ConGroup will not start.

Action
None.

**CGRP380E**

CAX feature key missing or not authorized

Cause
The CAX feature key is not authorized or is missing. ConGroup fails to initialize.

Action
Specify a valid CAX authorization key in SCF and restart ConGroup.

**CGRP381E**

Congroup group includes at least one SRDFA device.

Cause
An SRDF/A device was encountered in the consistency group. The enable process fails.

Action
Remove all SRDF/A devices from the consistency group and enable again.
**CGRP382E**

SRDF/A IS ACTIVE FOR [CUU \( nnnn \) | DEV\# \( ssssss \)]

**Cause**
SRDF/A devices are not allowed in a consistency group.

**Where:**
- \( nnnn \) is the z/OS CUU of the device.
- \( ssssss \) is the PowerMax/VMAX device number of the device.

Display of the **CUU** or **DEV\#** keywords depends on whether the device was defined using the z/OS CUU or the PowerMax/VMAX device number.

**Action**
Remove SRDF/A devices from the consistency group.

---

**CGRP383W**

GNS Group bypassed: gns_grpname

**Cause**
A GNS group with an invalid (unrecognized) name was encountered while processing the configuration file. The GNS group is bypassed to allow partial group specification. Use of this behavior feature to create partial groups is not currently supported.

**Action**
If partial groups are not desired, correct the GNS group name that is in error and restart ConGroup. If partial groups are desired, no action is needed.

---

**CGRP384E**

PPRC IS ACTIVE for [CUU \( nnnn \) | DEV\# \( ssssss \)]

**Cause**
A PPRC device was included in a consistency group. PowerMax/VMAX PPRC devices are not allowed in ConGroup definitions. The consistency group will not be activated.

**Where:**
- \( nnnn \) is the z/OS CUU of the device.
- \( ssssss \) is the PowerMax/VMAX device number of the device.

Display of the **CUU** or **DEV\#** keywords depends on whether the device was defined using the z/OS CUU or the PowerMax/VMAX device number.

**Action**
Remove the PPRC device from the ConGroup definition and try to activate the consistency group again.
CGRP385E

CUU: nnnn SENSE (00-15): (first 16 sense bytes)
CUU: nnnn SENSE (16-31): (last 16 sense bytes)

Cause
A PPRC device was included in a consistency group. This message displays the PPRC sense information for the device. Detection of spurious PPRC suspended sense codes (X'FB' at byte +7 of the sense data) generates these messages to the log and exits without triggering a trip.

Action
This is an extremely unlikely event. Call Dell EMC Support if it continues.

CGRP387W

Command not allowed. ALL_CONGROUPS lock held by mmmmmmmm aaaa.

Cause
ConGroup is attempting to execute a command that requires the ALL_CONGROUPS lock before performing the requested operation. Some other task has already acquired the lock and has not completed and released the lock yet. The module owning the lock is identified by mmmmmmmm and aaaa identifies the SMFID of the LPAR holding the lock.

Action
If you receive this message, reenter the failed command since the warning is probably the result of a transient condition. If the command was entered by a script, consider using the “WAIT” parameter if documented as an option for the failed command.

More Information
Example:

CGRP387W Command not allowed. ALL-CONGROUPS lock held by ECGMN00 X00B

CGRP388I

lockname Lock action smfid type issuer

Cause
This message is generated by ConGroup at key times to indicate the status of certain locks.

lockname is the 16-character lock name. Possible values are:

- ALL_CONGROUPS - Used to coordinated global operations
- ENABLE-1 - Internal during ENABLE
- REFRESH-1 - Internal during REFRESH

action specifies the type of action on the lock. Possible values are:
- Generated(Acquire) Request Generated
- Generated(Release) Request Generated
- Acquired Lock Acquired
- Released Lock Released

**smfid** identifies the SMFID where lock action initiated or where lock action is required to match. `$ANY` is used to allow the issuer of a release to match a different SMFID than the acquirer of the lock.

**type** is the type lock request. Possible values are:
- **EXCL** - Exclusive (will queue up)
- **EXCN** - Exclusive/Nowait (will not queue up)
- **SHRF** - Shared (used internally by ENABLE)

**issuer** is an 8-character string that identifies the internal component driving the request.

**Action**
No action is required as this is informational only.

**More Information**
The action `Generated(...)` will only occur on the system generating the request. The action `Acquired` or `Released` will subsequently appear concurrently on every connected system (including the generating system).

### CGRP391I

**VERIFY_INTERVAL** changed from `nnnnnnnn` to `nnnnnnnn`

**Cause**
This message is issued in response to a SET VERIFY_INTERVAL command to confirm the change has been accepted.

**Action**
This response is informational only. No action is necessary.

### CGRP392E

**VERIFY_INTERVAL** must be 0-99999999 seconds

**Cause**
A SET VERIFY_INTERVAL command contained a value that was outside the valid range allowed.

**Action**
Reissue the SET VERIFY_INTERVAL command with a valid value of from 0 to 99999999 seconds.

### CGRP393W

**CGSETn** No Owner Detected for `ssssss` Seconds
**Cause**
This message appears on a regular basis at non-owner address space(s) running in multi-LPAR mode as long as no owner address space is connected on the same CG set (CGSET). This can happen normally if a non-owner is started before an owner. Once the owner is initialized, the messages at the non-owner(s) should stop.

**Action**
If the messages persist, either start the owner address space, or issue the TAKEOVER command at a non-owner LPAR to make it the owner. In either case, the messages will stop when an owner is established.

**More Information**
If a group is disabled at the time a takeover is issued at a non-owner, a subsequent ENABLE needs to be done to enable the group. The TAKEOVER alone is not sufficient to enable the group.

---

**CGRP500E**

**CONGROUP ccccccccc HAS BEEN SWAPPED**

**Cause**
One of the following operator commands was issued (and denied) because the consistency group has been swapped: RESUME, RESET, ENABLE, DISABLE, REMSPLIT, VERIFY. This message is followed by a message detailing which command was rejected.

**Action**
Consult the message that follows CGRP500E.

---

**CGRP504E**

**CONGROUP ccccccccc SWAP STATE INVALID FOR FORCE**

**Cause**
An ENABLE congroup FORCE command was issued against a consistency group that was not swapped.

**Action**
The FORCE option only works after a complete swap and a subsequent swap back of all the devices to their original R1s. Do not use FORCE in this situation.

---

**CGRP505E**

**CONGROUP ccccccccc At least one device remains swapped.**

**Cause**
The ENABLE congroup FORCE command was issued against a previously swapped congroup that has not been fully swapped back to its original configuration.

**Action**
None.
CGRP506E

CUU XXXX is swapped - cannot enable group

Cause
The displayed device remains in a swapped state. It must be swapped back before the ENABLE FORCE can work.

Action
Do not specify FORCE before the swap is complete.

CGRP507I

Queued WTOs delayed by nn.nn seconds due to high UCBLEVEL and non-MSTR execution

Cause
This message appears after a SUSPEND is complete and UCBLEVELs are lowered. Then, all queued WTOs (queued during the SUSPEND process) are issued. Because of this, all such messages appear to be issued simultaneously, when in fact they may have been issued throughout the nn.nn delay time period. The time interval in the message is an accurate measure of how long the trip took.

Action
None.

CGRP508E

Define AutoSwap Group cccccc failed: rrrr,ssss

Cause
The CAX group define failed. rrrr,ssss are the return code and reason code from CSC.

Action
None.

CGRP508I

CG cccccc has been created by owner.

Cause
A consistency group has been created by the owner.

Action
None.
**CGRP509E**

AutoSwap Define call for `cccccccc` failed. CSC R15=`rrrr`, R0=`ssss`

**Cause**
An error occurred executing the CSC signal call to ConGroup AutoSwap extension.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**CGRP509I**

CG `cccccccc` has been deleted by owner.

**Cause**
A consistency group has been deleted by the owner.

**Action**
None.

**CGRP511E**

CONGROUP is busy. Action rejected. Try again later.

**Cause**
ConGroup is busy performing some other action. The action you requested cannot be performed until the previous action completes.

**Action**
Try your action at some time after the current action completes.

**CGRP512E**

AutoSwap Group already exists: `cccccccc`

**Cause**
The named group already exists, but an attempt is being made to create the consistency group.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
### CGRP513E

<table>
<thead>
<tr>
<th><strong>CONGROUP ENDED. SCF NOT ACTIVE</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cause</strong></td>
</tr>
<tr>
<td><strong>Action</strong></td>
</tr>
</tbody>
</table>

### CGRP513I

<table>
<thead>
<tr>
<th><strong>Successfully deleted AutoSwap Group cccccccc</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cause</strong></td>
</tr>
<tr>
<td><strong>Action</strong></td>
</tr>
</tbody>
</table>

### CGRP514E

<table>
<thead>
<tr>
<th><strong>CONGROUP ENDED. API VERSION IS TOO OLD</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cause</strong></td>
</tr>
<tr>
<td><strong>Action</strong></td>
</tr>
</tbody>
</table>

### CGRP514I

<table>
<thead>
<tr>
<th><strong>Delete AutoSwap Group cccccccc failed: rrrr,ssss</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cause</strong></td>
</tr>
<tr>
<td><strong>Action</strong></td>
</tr>
</tbody>
</table>

### CGRP515E

<table>
<thead>
<tr>
<th><strong>AutoSwap Delete call for cccccccc failed. CSC R15=rrrr,R0=ssss</strong></th>
</tr>
</thead>
</table>
**Cause**
An error occurred executing the CSC signal call to the underlying component AutoSwap. \textit{rrrr} and \textit{ssss} are the return code and reason code, respectively.

**Action**
Review the return and reason codes and take the appropriate action.

---

**CGRP515W**

**Cause**
Message CGRP133W or CGRP613W was issued. The CGRP515W message follows either CGRP133W or CGRP613W and identifies the group referred to by either message.

**Action**
None.

---

**CGRP516E**

**Cause**
Module EMCSDAS is required, but could not be found in the ConGroup steplib/linklist concatenation.

**Action**
Ensure that EMCSDAS is available to ConGroup. Restart ConGroup.

---

**CGRP516W**

**Cause**
An attempt to delete an CAX group failed. Most likely this occurred because AutoSwap terminated after the group was successfully defined.

**Action**
None.

---

**CGRP517E**

**Cause**
Attach of AutoSwap subtask failed. This is an internal error.
**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**CGRP517I**

Successfully validated AutoSwap Group cccccccc

**Cause**
After all the R1 devices in the consistency group have been added, an AutoSwap validate request is issued. This message is issued if all devices validate successfully. Successful validation means that all the devices are eligible for swap.

**Action**
None.

**CGRP518E**

Validate AutoSwap Group cccccccc failed: rrrr,ssss

**Cause**
The validate failed with return code and reason code. The group is termed an AutoSwap group means that the group is defined as swap capable. It does not imply anything about the current run-time state of the group.

**Action**
Review the return and reason codes and take the appropriate action. Also review the other messages that have been issued.

**CGRP519E**

AutoSwap Validate failed. CSC R15=xxxx R0=xxxx

**Cause**
An AutoSwap VALIDATE failed during an enable of a consistency group with a CSC error.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**CGRP520I**

Adding Symm sssssssssssss devices to AutoSwap group cccccccc
**CGRP521I**

Symm devs ssssss-eeeee on RDF group xx added

**Cause**
A contiguous range of R1 devices starting with PowerMax/VMAX device number ssssss and ending with PowerMax/VMAX device number eeeeee has been added to the group named in message CGRP520I. The matching R2s are automatically determined by AutoSwap based on the SRDF group number xx.

**Action**
None.

**CGRP522E**

AutoSwap Addrange call for cccccc failed. CSC R15=rrrr,R0=ssss

**Cause**
A call to add a range of devices failed with return and reason codes.

**Action**
Review the return and reason codes and take the appropriate action.

**CGRP523E**

Devs ssssss-eeeee, RDF=xx[,yy] rr,ss

**Cause**
PowerMax/VMAX devices ssssss through eeeeee were not added. The SRDF group xx is the one that was passed to the underlying component, AutoSwap, on the ADDRANGE call. If yy is shown in the message, it appears for reference only (as the other of two concurrent SRDF groups). rr and ss are the CSC return and reason code.

**Action**
Review the return and reason codes and take the appropriate action.

**CGRP524E**

Descriptive text [system_serial_no]
Cause
There was an error detected in CSC communication. The Descriptive text for the JRRRS reason code is displayed and usually followed by the system_serial_no. Possible errors include:

<table>
<thead>
<tr>
<th>RSN</th>
<th>Descriptive text</th>
<th>Additional information</th>
</tr>
</thead>
<tbody>
<tr>
<td>x'01'</td>
<td>AutoSwap not active</td>
<td></td>
</tr>
<tr>
<td>x'02'</td>
<td>Request could not complete on: system_serial_no</td>
<td>The request was accepted by CSC, however, no listener was available to perform work on the request.</td>
</tr>
<tr>
<td>x'03'</td>
<td>CSC active request timeout on: system_serial_no</td>
<td>AutoSwap was delayed beyond the cross-system timeout threshold. The owner host did not respond in this period of time.</td>
</tr>
<tr>
<td>x'04'</td>
<td>CSC waiting request timeout on: system_serial_no</td>
<td>This value can be returned when CSC has been unable to queue the request for processing due to Symmetrix scratch area shortage.</td>
</tr>
<tr>
<td>x'05'</td>
<td>CSC Host request has been lost on: system_serial_no</td>
<td></td>
</tr>
</tbody>
</table>

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

CGRP525E

CSC has no access to controller system_serial_no

Cause
Congroup is attempting to access the underlying component AutoSwap using the EMCSCF Cross System Communication (CSC) component. However, CSC is not active on the storage system. This can occur if EMCSCF has been started with an EXCLUDE list of all PowerMax/VMAX devices, or the CSC has not been activated. This message can occur when ConGroup has been initialized before or during the startup of EMCSCF.

Action
Check to see if EMCSCF and the CSC is active. The CSC can be verified using the EMCSCF command CSC,DISPLAY,HOSTS command. If it is active, check to see if there are any additional messages produced by EMCSCF to describe the reason for the failure.
CGRP526E

CSC Other JRRRS Error: RS

**Cause**
Congroup is attempting to access AutoSwap using the EMCSCF Cross System Communication (CSC) component. However, the CSC received an error identified reason RS in the message above.

**Action**
Check to see if EMCSCF and the CSC is active. The CSC can be verified using the EMCSCF command CSC,DISPLAY,HOSTS command. If it is active, check to see if there are any additional messages produced by EMCSCF to describe the reason for the failure.

**More Information**
The reasons (RS in hex) and their descriptions are as follows:

- **01** - No listener for function. The request was accepted by CSC, however no listener was available to perform work on the request.
- **02** - Processing is incomplete. The request was accepted by CSC and some work may have been performed by a listener.
- **03** - Active request timed out.
- **04** - Waiting request timed out. This value can be returned when the CSC has been unable to queue the request for processing due to PowerMax/VMAX scratch area shortage.
- **05** - Host request has been lost.
- **06** - No host located for request. This could be returned for a specified host target request, or if the current host is the only one registered for a TARGET=ALLEXCL request.
- **07** - Invalid request- internal error.
- **08** - Request cancelled.
09 - CSC has lost communication with the storage system after the was specified.
0a - CSC has lost (or never had) communication with the storage system, and one of
the FAIL=NACC conditions was specified. The CSC was unable to queue the request
for processing.
0b - A multi system signal cannot be processed as the listener on the target storage
system is not defined as CTRL=ALL.

CGRP527I

CG cccccc Trip detected after AutoSwap swap.

Cause
A trip condition was detected after a completed swap. The condition is ignored. This is
most likely to occur after a manual swap back, but before the group is re-enabled.

Action
None.

CGRP528I

CG cccccc Old:cccc,ssssss New:cccc,ssssss

Cause
Trace message indicating old and new values for the ConGroup-AutoSwap lock.

Action
Can be turned with DEBUG.

CGRP529W

CG cccccc Backing out trip processing

Cause
A trip process began after a swap process began but before the swap process
completed. The trip process waited until the swap process completed and backed out.
If the swap fails to reach a globally quiesced state, the trip continues normally.

Action
None.

CGRP530I

CG cccccc HAS BEEN DISABLED DUE TO SWAP

Cause
The consistency group has been auto-swapped. Congroup sets the status of the group
to disabled, even though the original R1s (now swapped to the R2s) still have the
consistency group-enabled attribute at the device level on the storage system.
CGRP531W

CG ccccccccc trip waiting pending AutoSwap action

Cause
A trip has begun, but is stalled waiting for the completion or failure of an in-process swap.

Action
None.

CGRP532W

Command Queued for ALL-CONGROUPS Lock

Cause
A command was entered with the WAIT subparameter and the command processor detected that the ALL-CONGROUPS lock was already held by another process. This message is issued and the command waits for the lock to be released.

Note
ALL-CONGROUPS is an internal lock that serializes many global operations to ensure ConGroup’s integrity. It is used only if you set ConGroup MODE parameter to MULTI, which allows two or more consistency groups to communicate with each other. If you use the default MODE value of SINGLE, which prevents two or more consistency groups from communicating with each other, ConGroup has no reason to use (and does not use) ALL-CONGROUPS.

Action
None.

CGRP533I

fffffff Gatekeeper CUU cccc Serial sssssssssss

Cause
ConGroup performed function ffffffff using the referenced SCF gatekeeper device cccc on Serial sssssssssss. ffffffff is one of the following functions: ENABLE, DISABLE, BCVSPLIT, BCVQUERY, RESUME, SUSPEND, CNFGRDF2, or CNFGRDF4.

Action
The message is informational and requires no further action. However, to avoid possible function failure, it is strongly advised to specify SCF gatekeepers that are not members of any ConGroup.
CGRP534E

CSC host not registered on system_serial_no

**Cause**
Congroup is attempting to access AutoSwap using the EMCSCF Cross System Communication (CSC) component. However, the CSC is not active on the current host. This can occur if EMCSCF has been started with an EXCLUDE list of all PowerMax/VMAX devices, or the CSC has not been activated. This message can occur when Congroup has been initialized before or during the startup of EMCSCF.

**Action**
Check to see if EMCSCF and the CSC is active. The CSC can be verified using the EMCSCF command CSC,DISPLAY,HOSTS command. If it is active, check to see if there are any additional messages produced by EMCSCF to describe the reason for the failure.

**Note**
The *Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide* provides a description of EMCSCF.

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

CGRP534I

{ENABLE|DISABLE|SUSPEND|BCVQUERY|BCVSPLIT} CUU cuu symm-serial Local or

{ENABLE|DISABLE|SUSPEND|BCVQUERY|BCVSPLIT} CUU cuu symm-serial Hop xxxxxxxx symm-serial

**Cause**
Indicates which gatekeeper (and optionally hoplist) is being used to carry out the specified function.

**Action**
None.

CGRP535E

text GK path unavailable to symm-serial

**Cause**
There are no gatekeeper paths to a storage system that ConGroup needs access to. This typically means that SCF is unavailable.
text provides syscall details. For example, a text of QC 191 refers to syscall 191 (QuickConfig). This call is made periodically to determine if state changes in the storage system warrant further action. If the gatekeeper path is over which the syscall is to travel to the storage system is unavailable, then the message is issued.

**Action**
Stop or cancel ConGroup. Restart SCF and then restart ConGroup.

**CGRP601E**

**ConGroup is busy, request rejected.**

**Cause**
ConGroup is busy performing some other action. The action you requested is excluded until the previous action completes.

**Action**
Try your action after the current action completes.

**CGRP602I**

**Moveowner/Takeover started**

**Cause**
A MOVEOWNER or TAKEOVER command has been issued by a ConGroup instance on another LPAR. This message is generated to inform other participating ConGroup instances.

**Action**
None.

**CGRP603I**

RELLOCK has been issued for single.

or

RELLOCK has been issued with RELE.

or

Lock has been released.

or

RELLOCK has completed.

**Cause**
A RELLOCK command has been issued internally. The command waits for the lock to be released, and then issues the “released” and “completed” forms of the message.
CGRP604I

ConGroup takeover has begun.

Cause
An operator has issued a TAKEOVER command.

Action
None.

CGRP605I

ConGroup moveowner has begun.

Cause
An operator has issued a MOVEOWNER command.

Action
None.

CGRP606I

Moveowner/Takeover has completed.

Cause
A MOVEROWNER or TAKEOVER command issued by a ConGroup instance has completed. This message is generated to inform other participating ConGroup instances.

Action
None.

CGRP607I

Global Refresh started

Cause
A REFRESH command issued by a ConGroup instance has started. This message is generated to inform other participating ConGroup instances.

Action
None.
### CGRP608I

**Global Enable started**

**Cause**
An ENABLE command issued by a ConGroup instance has started. This message is generated to inform other participating ConGroup instances.

**Action**
None.

### CGRP609I

**Global Enable Complete**

**Cause**
An ENABLE command issued by a ConGroup instance has completed. This message is generated to inform other participating ConGroup instances.

**Action**
None.

### CGRP610W

**Auto Refresh Disabled. Issue REFRESH manually if desired.**

**Cause**
AUTO REFRESH=YES was specified in the configuration file and at least one CAX group was also defined. Auto refresh is not supported in this configuration because of the potentially disruptive effect of refreshing one or more CAX groups. The message is issued so that you can schedule a manual refresh when you choose.

**Action**
If you desire a refresh, issue the command manually.

### CGRP611I

**Initialization complete**

**Cause**
ConGroup startup has occurred on an LPAR.

**Action**
No action is required.
CGRP612E

AutoSwap Required, but no LFC

**Cause**
At least one CAX group was defined in the configuration file, but no valid CAX license feature code (LFC) was specified in ResourcePak Base.

**Action**
Remove the CAX group from the configuration file or supply a valid LFC to ResourcePak Base.

CGRP613W

At least one R2 encountered in group

**Cause**
A device group definition was encountered in the configuration file that contained at least one local R2. This condition is interpreted as an intentional specification of a potential complement group. The group is bypassed and no record of it is kept by ConGroup. If an AutoSwap occurs and the bypassed group subsequently contains local R1s instead of local R2s, it will be recognized after a refresh or a restart of ConGroup.

**Action**
None.

CGRP614E

No Controllers Found

**Cause**
This message is issued during initialization when no valid Dell EMC Disk Controller exists to support the requested devices.

**Action**
Enable the controller(s), channel(s) and/or path(s) or correct the devices specified then restart Consistency Group. The *Dell EMC Mainframe Enablers Consistency Groups for z/OS Product Guide* provides more information.

CGRP616E

cccccccc Enable Failed RSN reason

**Cause**
During an Enable of an RDF-ECA group, ccccccccc, an error occurred.

The RSN value, *reason*, is one of the following:
### RSN code 1 Reason
SYNCLINKFAILURE was specified for the group, but at least one storage system could not support the request due to insufficiently high level of the operating environment.

### RSN code 2 Reason
Inconsistent internal RDF-ECA flags.

### RSN code 3 Reason
Group state manager was in a busy state. This is an internal error.

#### Action
One of the following:

- If the RSN code is 1, upgrade the operating environment to a level that supports this feature.
- For the RSN code 2, an internal hardware problem. Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
- For the RSN code 3, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.
- If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

---

### CGRP617E

**LFC Check on serial# \((system-name)\), RS 68**

#### Cause
Where *system-name* is the name of the storage system; if the storage system has been named through ResourcePak Base. The SRDF/S License Feature Code has not been installed in the ResourcePak Base initialization parameter file.

#### Action
Install the SRDF/S License Feature Code. Contact your Dell EMC representative for the correct License Feature Code.

---

### CGRP618I

**grpname Resume in Progress. \(nn\) Track Remaining**

#### Cause
This message is issued every 10 seconds during a RESUME until there are no invalid tracks remaining.

Where:

- *grpname* is the name of the consistency group.
- *nn* is the current total number of invalid tracks for the group.
**CGRP619E**

**ONLY 1 SRDF/S RMIR - SHARING NOT POSSIBLE**

**Cause**
A device was encountered after it was already specified in a prior group. The current group had ALLOW_SHARED_R1S either specified or defaulted. The device had only one remote mirror, so there were no available mirrors to be protected by this second group.

**Action**
Remove the device from the second group and retry.

---

**CGRP620I**

```plaintext
jobname/stcname (jobnum/stcnum) registration_type LISTENER
(sequence_number)
```

**Cause**
This message is issued as a result of an registration activity of a listener of a registration type as detailed in the above *registration_type* text field.

Registration types are as follows:

- **ALL-EVENTS**
  The listener is a passive listener to all events.

- **ALL-EVENTS MASTER**
  The listener is a master listener to all events. If an ALL EVENTS master listener is registered, no other master listeners are allowed.

- **CONGROUP congroupname**
  The listener is a passive listener for a particular consistency group.

- **CONGROUP congroupname MASTER**
  The listener is a master listener for a particular consistency group.

- **STOP/REFRESH**
  The listener is a passive listener for STOP and REFRESH events.

- **STOP/REFRESH MASTER**
  The listener is a master listener for STOP and REFRESH events. Only one master is allowed for all STOP/REFRESH events.

**Action**
None.

---

**CGRP621I**

```plaintext
jobname/stcname (jobnum/stcnum) ASID(registration_type) LISTENER
(sequence_number) UNREGISTERED
```
Cause
This message is issued as a result of an registration activity of a listener of a registration type as detailed in the above $4 text field.

The registration types are as follows:

- **ALL-EVENTS**
  The listener is a passive listener to all events.

- **ALL-EVENTS MASTER**
  The listener is a master listener to all events. If an ALL EVENTS master listener is registered, no other master listeners are allowed.

- **CONGROUP congroupname**
  The listener is a passive listener for a particular consistency group.

- **CONGROUP congroupname MASTER**
  The listener is a master listener for a particular consistency group.

- **STOP/REFRESH**
  The listener is a passive listener for STOP and REFRESH events.

- **STOP/REFRESH MASTER**
  The listener is a master listener for STOP and REFRESH events. Only one master is allowed for all STOP/REFRESH events.

Action
None. This message is informational.

CGRP623I

Dynamic Device [ADD to|Delete from] Phase n grpname
Count: count RC: rc RS: rs

Cause
ConGroup properly added one or more dynamic devices or deleted one or more devices via the ADD or DELETE command respectively.

Where:

- **n** is an integer representing the processing phase of the ADD or Delete requested. (1, 2, or 3)
- **grpname** is the group name.
- **count** is the count of the number of devices processed.
- **rc** indicates the return code of the phase. (See below)
- **rs** indicates the reason code of the phase. (See below)

Action
No action is necessary. This message is provided for informational purposes only.

More Information
The following RC and RS codes are useful for Dell EMC Support use in case of an error.

<table>
<thead>
<tr>
<th>Possible RC and RS values</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RC: 8</td>
<td>ADD or DEL failed</td>
</tr>
<tr>
<td>RC: 8 RS: 1</td>
<td>Bad serial number or CUU</td>
</tr>
<tr>
<td>Possible RC and RS values</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>RC: 8 RS: 2</td>
<td>DO_WHOAMI Failed</td>
</tr>
<tr>
<td>RC: 8 RS: 3</td>
<td>Error getting device number for CUU</td>
</tr>
<tr>
<td>RC: 8 RS: 4</td>
<td>UCB invalid for some reason</td>
</tr>
<tr>
<td>RC: 8 RS: 5</td>
<td>SCANUCB failed</td>
</tr>
<tr>
<td>RC: 8 RS: 6</td>
<td>Not a Dell EMC device</td>
</tr>
<tr>
<td>RC: 8 RS: 7</td>
<td>WHOAMI call failed</td>
</tr>
<tr>
<td>RC: 8 RS: 8</td>
<td>Serial number no good on DEVICES call</td>
</tr>
<tr>
<td>RC: 8 RS: 9</td>
<td>Symdevice validation failed</td>
</tr>
<tr>
<td>RC: 8 RS: 10</td>
<td>Symdevice call failed</td>
</tr>
<tr>
<td>RC: 8 RS: 11</td>
<td>Gatekeeper unavailable</td>
</tr>
<tr>
<td>RC: 8 RS: 12</td>
<td>Serial number not found</td>
</tr>
<tr>
<td>RC: 8 RS: 13</td>
<td>No valid mirrors found</td>
</tr>
<tr>
<td>RC: 8 RS: 14</td>
<td>No Current Symm supports requested RA group</td>
</tr>
<tr>
<td>RC: 8 RS: 15</td>
<td>Duplicate device</td>
</tr>
<tr>
<td>RC: 8 RS: 17</td>
<td>Group not found</td>
</tr>
<tr>
<td>RC: 8 RS: 18</td>
<td>Device not in congroup on DELETE</td>
</tr>
<tr>
<td>RC: 8 RS: 19</td>
<td>All specified devices (via CUU) were bypassed - path offline</td>
</tr>
<tr>
<td>RC: 8 RS: 20</td>
<td>SDAS Error - See previous error messages for detail</td>
</tr>
<tr>
<td>RC: 8 RS: 21</td>
<td>Device being added is not RDF-ECA clear. Dynamic Add of devices requires that the devices be RDF-ECA clear before being added. If this is not the case, the dynamic add request is rejected with this message/RC/RS combination. Use ECGUTIL to clear the devices being added and try again.</td>
</tr>
<tr>
<td>RC: 16</td>
<td>Timeout</td>
</tr>
<tr>
<td>RC: 20</td>
<td>Parse Error</td>
</tr>
<tr>
<td>RC: 20 RS: 1</td>
<td>Both CUUS and DEVICES specified</td>
</tr>
<tr>
<td>RC: 20 RS: 2</td>
<td>Neither CUUS nor DEVICES specified</td>
</tr>
<tr>
<td>RC: 20 RS: 3</td>
<td>Missing Parameters (other)</td>
</tr>
<tr>
<td>RC: 20 RS: 4</td>
<td>CUU and CNTRL invalid together CB failed</td>
</tr>
</tbody>
</table>
CGRP624E

Host smfid Failed. Reason: [reason_description | Unrecognized Error reason_code]

Cause
This message is issued on the system where a dynamic add/delete is submitted if an error on a remote system occurs during the dynamic function.

smfid is the SMFID and reason_description is a text reason. If Unrecognized Error reason_code is displayed, there is no defined interpretive text.

Action
Depending on the host and reason, corrective action may be taken.

For example, if a dynamic add of a CUU is attempted and the reason SCANUCB failed is returned from one of the hosts, this normally means that the host in question does not have the CUU genned. This implies that the DEV form of the dynamic add should be used instead (since the DEV form has no dependence on UCBs).

If only return code and reason code are displayed (reason_code), then text is not available, and a call to Dell EMC Technical Support may be necessary to resolve the problem.

CGRP625E

Incompatible SCF version - CONGROUP ENDED!

Cause
ConGroup was attempting to connect to an incorrect version of SCF at startup. Congroup was terminated immediately.

Action
Ensure you are using a supported SCF version for the version of ConGroup being started and retry.

CGRP634I

(subcode) GROUP grpname text

Cause
CGRP634I is a family of messages that report on the steps in the progress of ConGroup-related processes such as start-up, enabling, disabling, tripping, and so forth. You should read CGRP634I messages in conjunction with:

- Other related CGRP634I messages
- Other CGRPnnnx messages, including especially CGRP640I
- Associated non-CGRP messages

Normally, when ConGroup performs group functions, many CGRP634I messages are issued as the state of group(s) and their devices transition to a new set of conditions.
Usually, you can ignore CGRP634I messages. However, they do provide a chronological log of status changes that you may find useful when diagnosing unusual conditions. In some cases, intermediate CGRP634I messages may provide reassurance of continued activity during lengthy periods of apparent inactivity, especially with large consistency groups.

**Note**

In the following descriptions, “protected mirror” means that the definition of the group includes the mirror. It does not refer to the condition of the mirror.

As shown previously, the general format of a CGRP634I family message is:

*(subcode) GROUP grpname text*

**subcode**

Each CGRP634I family member is identified by a numeric subcode that describes the condition being reported.

**grpname**

Each CGRP634I family member applies to a single consistency group, named in the message.

**text**

Each CGRP634I family member contains text that defines a new state of a resource or group of resources, and represents a change from the last time the state was examined. If the message says that a condition is “TRUE”, this is a change from “FALSE”. If “text” says that “all” resources are in a given state, this means that previously “some” or “none” were in that state.

The following table describes the subcodes and text you can receive from the various CGRP634I messages.

**Note**

In the text descriptions below, “protected mirror” means that the definition of the group includes the mirror and does not refer to the condition of the mirror.

<table>
<thead>
<tr>
<th>subcode</th>
<th>text</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Zero_Invalid_Tracks =TRUE</td>
<td>All protected mirrors have zero invalid tracks. A synch required by a ConGroup resume was successful, and invalid tracks were eliminated. This message is issued when the state changes from having one or more invalid tracks to having none.</td>
</tr>
<tr>
<td>2</td>
<td>All_Mirrors_Synched =FALSE</td>
<td>At least one protected mirror is now not synchronized with its R2.</td>
</tr>
<tr>
<td>3</td>
<td>All_Mirrors_Synched =TRUE</td>
<td>All protected mirrors are now synchronized with their R2s. (Usually the result of a...</td>
</tr>
<tr>
<td>subcode</td>
<td>text</td>
<td>Meaning</td>
</tr>
<tr>
<td>---------</td>
<td>------</td>
<td>---------</td>
</tr>
<tr>
<td>4</td>
<td>All_Mirrors_Ready =FALSE</td>
<td>At least one protected mirror is now TNR (Target Not Ready); for example, when a link has broken.</td>
</tr>
<tr>
<td>5</td>
<td>All_Mirrors_Ready =TRUE</td>
<td>All protected mirrors are now ready; for example, after a RESUME.</td>
</tr>
<tr>
<td>6</td>
<td>All_Mirrors_NR =TRUE</td>
<td>All protected mirrors are now TNR (Target Not Ready); for example, when a link has broken.</td>
</tr>
<tr>
<td>7</td>
<td>All_Mirrors_NR =FALSE</td>
<td>At least one protected mirror is now ready; for example, during a RESUME.</td>
</tr>
<tr>
<td>8</td>
<td>RDF-ECA armed on all devices</td>
<td>All protected mirrors now have RDF-ECA mode set on them. This is usually the result of an ENABLE command being issued.</td>
</tr>
<tr>
<td>9</td>
<td>RDF-ECA disarming</td>
<td>Some protected mirrors have RDF-ECA mode set, and the number is decreasing (usually during a DISABLE).</td>
</tr>
<tr>
<td>10</td>
<td>RDF-ECA arming</td>
<td>Some protected mirrors have RDF-ECA mode set, and the number is increasing (usually during an ENABLE).</td>
</tr>
<tr>
<td>11</td>
<td>RDF-ECA disarmed on all devices</td>
<td>No RDF-ECA-set mirrors in the group are armed. This is usually the result of a DISABLE command being issued.</td>
</tr>
<tr>
<td>12</td>
<td>RDF-ECA defined on no devices</td>
<td>No protected mirrors in the group have RDF-ECA mode defined</td>
</tr>
<tr>
<td>13</td>
<td>RDF-ECA defined on all devices</td>
<td>All protected mirrors in the group have RDF-ECA mode defined.</td>
</tr>
<tr>
<td>14</td>
<td>grpname is CG armed on all devices</td>
<td>All protected mirrors in the group have the RDF-ECA mode protection bit set.</td>
</tr>
<tr>
<td>subcode</td>
<td>text</td>
<td>Meaning</td>
</tr>
<tr>
<td>---------</td>
<td>-------------------------------------------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>15</td>
<td><code>grpname</code> has lost some CG protection</td>
<td>Some protected mirrors have the RDF-ECA mode bit on; but, the number is decreasing.</td>
</tr>
<tr>
<td>16</td>
<td><code>grpname</code> has gained some CG protection</td>
<td>Some protected mirrors have the RDF-ECA mode bit on, but the number is increasing.</td>
</tr>
<tr>
<td>17</td>
<td><code>grpname</code> is CG disarmed on all devices</td>
<td>No protected mirrors in the group have the RDF-ECA mode bit set.</td>
</tr>
<tr>
<td>18</td>
<td>RDF-ECA window open on some devs decreasing</td>
<td>The RDF-ECA window is open on some protected mirrors in the group, but is decreasing</td>
</tr>
<tr>
<td>19</td>
<td>RDF-ECA win open on some devs - increasing</td>
<td>The RDF-ECA window is open on some protected mirrors in the group and is increasing.</td>
</tr>
<tr>
<td>20</td>
<td>RDF-ECA window closed on all devices</td>
<td>The RDF-ECA window has closed on all protected mirrors in the group.</td>
</tr>
<tr>
<td>21</td>
<td>RDF-ECA win timed out on at least one device</td>
<td>The RDF-ECA window timed out on at least one protected mirror in the group.</td>
</tr>
<tr>
<td>22</td>
<td>RDF-ECA window open on all devices</td>
<td>The RDF-ECA window is open on all protected mirrors in the group.</td>
</tr>
</tbody>
</table>

**Action**
None.

---

**CGRP635I**

**GROUP `grpname` Setting poll rate to `nn`**

**Cause**
The periodic polling rate for the consistency group `grpname` has been set to `nn`, where `grpname` is the name of the consistency group and `nn` is the number of seconds between polling cycles for the group. The default is 15 seconds. The maximum value is 60 seconds.

ConGroup periodically polls all of the devices under its control to monitor them for various conditions. This message is issued at address space startup and whenever the poll rate changes. It temporarily changes to a fast poll rate during certain ConGroup functions (such as trip processing). It may also be manually set with the GRPSET command.

**Action**
None.
CGRP636I

congroupname text

Cause
congroupname is the name of the effected consistency group, and text is a message that is in one of the formats shown below.

- **FBA Not Ready on Timeout set to [YES|NO]**
  The specified FBA consistency group is not ready because of a Suspend_Retry_Timeout.

- **RECA set to [YES|NO]**
  The RECA for the specified consistency group has been set to Yes (the consistency group is running as an RDF-ECA mode group) or No (the consistency group is running as and IOSLEVEL mode group).

- **Not eligible for request**
  The named consistency group is not eligible for the request made.

Action
None. These messages are informational only.

CGRP637I

Initiating seek sequence.

Cause
ConGroup is initiating a protocol to connect and synchronize with other ConGroup address spaces.

Action
None.

CGRP639I

(nn) congroupname text

Cause
nn is a message code.

congroupname is the name of the effected consistency group.

text is a message that can be in one of the following formats:

- **(02) congroupname Starting polling threads**
  The polling threads (one for each storage system) are starting for the specified consistency group.

- **(03) congroupname Pollers Started**
  All starting polling threads have been dispatched.

- **(04) congroupname Pollers Initialized**
  All polling thread internal structures have been built.
CGRP640I

(subcode) GROUP grpname text

Cause
CGRP640I is a family of messages that report when the state of a consistency group has changed. The text reflects the new state as detected by the group manager. Typically, this message corresponds to the start or end of a process or sub-process affecting the consistency group.

Process starts may be triggered by commands or external events (such as those described by message CGRP634I). Process ends can only correspond to specific external events. The CGRP640I messages are intended for backtracking events in case of error or unusual conditions.

Usually, you can ignore CGRP640I messages. However, because these messages provide a chronological log of status changes, you can find them useful when you are diagnosing unusual conditions. You should read CGRP640I messages in conjunction with:
- Other related CGRP640I messages
- Other CGRPnnnx messages, including especially CGRP634I
- Associated non-CGRP messages.

In some cases, intermediate CGRP634I messages may provide reassurance of continued activity during lengthy periods of apparent inactivity, especially with large consistency groups.

The general format of a CGRP640I family message is:

(subcode) GROUP grpname text

- subcode
  Each CGRP640I family member is identified by a numeric subcode that describes the condition being reported.
- grpname
  Each CGRP640I family member applies to a single consistency group, named in the message.
- text
  Each CGRP640I family member contains text that defines a new state of a resource or group of resources, and represents a change from the last time the state was examined.

The following table lists and describes the subcode and text you can receive from the various CGRP640I messages.

<table>
<thead>
<tr>
<th>subcode</th>
<th>text</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Unused</td>
<td></td>
</tr>
<tr>
<td>subcode</td>
<td>text</td>
<td>Meaning</td>
</tr>
<tr>
<td>---------</td>
<td>-------------------------------------------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>2</td>
<td>Group RECA Set/ Clear/Set Started</td>
<td>During an RDF-ECA arming process, the group was found to have no mirrors with RDF-ECA mode defined. A sequence of setting, clearing and resetting is initiated.</td>
</tr>
<tr>
<td>3</td>
<td>Group RECA Clear/ Set Started</td>
<td>During an RDF-ECA arming process, the group was found to have RDF-ECA mode already defined on all mirrors. A sequence clearing and resetting is initiated.</td>
</tr>
<tr>
<td>4</td>
<td>Group RECA Clear Started</td>
<td>During an RDF-ECA arming process, the group was found to have a mix of RDF-ECA mode defined and undefined mirrors. A sequence clearing all mirrors is initiated.</td>
</tr>
<tr>
<td>5</td>
<td>Group groupname Not trippable. Aborting trip.</td>
<td>An RDF-ECA trip had begun, based on then current group state information. During the opening window phase of the trip, an error was encountered that showed at least one device in the group did not have RDF-ECA mode set. This is an untrippable situation. The trip is aborted. This situation is most likely when two or more ConGroups are running in single mode and an intentional trip is initiated on one LPAR while another LPAR independently disabled the group.</td>
</tr>
<tr>
<td>6</td>
<td>Group RECA Set Complete</td>
<td>During an RDF-ECA arming process, the group was found to have become armed.</td>
</tr>
<tr>
<td>7</td>
<td>Group RECA Clear Complete</td>
<td>During an RDF-ECA clearing process, the group was found to have become cleared.</td>
</tr>
<tr>
<td>8</td>
<td>Group RECA Set Complete. Clear Starting</td>
<td>During a Set/Clear/Set process, the first set has completed.</td>
</tr>
<tr>
<td>9</td>
<td>Clear Complete. Group RECA Set Started</td>
<td>During a Set/Clear/Set process, the final set process has started. This begins when...</td>
</tr>
<tr>
<td>subcode</td>
<td>text</td>
<td>Meaning</td>
</tr>
<tr>
<td>---------</td>
<td>------</td>
<td>---------</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RDF-ECA mode has been cleared from all mirrors.</td>
</tr>
<tr>
<td>11</td>
<td>Initiating group window close</td>
<td>During a trip process, all mirrors have been detected to be not ready, and the close window process has been initiated.</td>
</tr>
<tr>
<td>14</td>
<td>Trip Complete</td>
<td>During a trip process, all ECA windows have been closed. The trip process is complete.</td>
</tr>
<tr>
<td>17</td>
<td>All windows open. Initiating suspend</td>
<td>During a trip process, all windows have been detected to be open. The suspend process has been started. Some windows needed to be opened by syscall.</td>
</tr>
<tr>
<td>18</td>
<td>Initiating trip - opening windows</td>
<td>Some windows were detected to be open. A process to open the rest of the windows in the group has been initiated.</td>
</tr>
<tr>
<td>19</td>
<td>All windows open. Initiating suspend</td>
<td>During a trip process, all windows have been detected to be open. The suspend process has been started. No windows needed to be opened by syscall.</td>
</tr>
<tr>
<td>21</td>
<td>Initiating suspend.</td>
<td>During an IOSLEVEL trip, a suspend is started.</td>
</tr>
</tbody>
</table>
| 22     | SYNCLINKFAILURE
Specified for Group. | During the Enable of an RDF-ECA group, the CAXOPTS SYNCLINKFAILURE option was detected. When trip event occurs, a swap will be triggered. |
<p>| 23     | Not Trippable or Trip Bypassed due to vaulting. | A trip-trigger event was detected, but the group was not trippable. Reasons may include: |
|        |      | • Group was disabled - either by command or by external circumstances. |
|        |      | • Group has already tripped or swapped. |
|        |      | ConGroup detected the orderly shutdown of a storage system and pre-emptively |</p>
<table>
<thead>
<tr>
<th>subcode</th>
<th>text</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>triggered an unplanned swap before a standard unplanned swap condition (No Paths or Intervention Required) occurred.</td>
</tr>
<tr>
<td>24</td>
<td>Group not eligible for SYNCLINKFAILURE</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>SYNCLINKFAILURE Trip Starting.</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>Open windows found during startup. Ignoring.</td>
<td>A window is open before initialization is complete. Once initialized, the previously open windows will likely have closed. Depending on circumstances, there may also be invalid tracks. ConGroup will have disabled the devices and the group may be in an indeterminate state. It is the responsibility of the user to resume the group containing those devices to re-enable the group.</td>
</tr>
</tbody>
</table>

**Action**

For subcodes 1 through 4 and 6 through 19 - None. For subcode 5, ensure that the group is enabled before issuing a programmatic or SRDF Host Component trip of the consistency group.

---

**CGRP641I**

**user (userid) ASID(nnnn) Initiating trip for congroupname**

**Cause**

A trip was intentionally initiated by a program in another address space using the ConGroup PC routine API.

Where:

- `user` is the job name of STC name.
- `userid` is the job or STC number.
- `nnnn` is the ASID of the initiating address space.
- `congroupname` is the name of the affected consistency group.

**Action**

None.
CGRP642I

CLASS=FACILITY RESOURCE=EMC.CG.API.TRIP

Cause
Follow on message to CGRP641I. This message displays the RACF class and resource protecting the trip API.

Action
To prevent unauthorized users from tripping consistency groups, you must define this resource (EMC.CG.API.TRIP) to the facility class. Then, give only authorized users update authority to the resource.

CGRP643I

text string

Cause
Where text string is the message, in one of the following formats:

- ACCESS ALLOWED
  The request to allow the trip request (described in CGRP641I) has been validated by the EMCSAFI security system.
  Action: none.
- ACCESS ALLOWED - RESOURCE NOT PROTECTED
  The Trip API is not been defined to the EMCSAFI security system. The request has been allowed.
  If desired, set the security system to protect the Trip API.
- ACCESS ALLOWED (WARN MODE)
  The request to allow the trip request (described inCGRP641I) has been allowed in warn mode.
  If desired, modify the EMCSAFI security system to allow the user full update access to the Trip utility.
- ACCESS DENIED
  The request cannot be granted. The user does not have access to the Trip API.
  Set the EMCSAFI security system to grant access to the Trip API.

Action
See the actions specified for the message formats listed above. The Dell EMC Mainframe Enablers Consistency Groups for z/OS Product Guide provides more information about the security system and the Trip API.

CGRP644E

SCF gatekeeper service not available.

Cause
During initialization of the Gatekeeper Server thread, a macro @EMCDASD REQUEST=GATEKEEPER failed with a return code of 96, which is "SCF gatekeeper
service not available.” This is most likely due to running with a version of SCF older
than 5.7.

**Action**
Contact Dell EMC Customer Support to obtain a current copy of the ResourcePak
Base kit. Install the kit on your system.

**CGRP645E**

```plaintext
SDC @EMCDASD R1=nn
```

**Cause**
During initialization of the Gatekeeper Server thread, a macro @EMCDASD
REQUEST=GATEKEEPER failed with the return code displayed.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for
applicable solutions relating to this message ID. If you cannot determine and correct
the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have all relevant job documentation available.

**CGRP650I**

```plaintext
Ownership Moved To: to-smfid [system name] From: from-smfid [system name]:
```

**Cause**
Recognition that ownership has moved from one SMFID to another. The system name
is optional and may be blank.

**Action**
No action required.

**CGRP651E**

```plaintext
Invalid SMFID specified
```

**Cause**
This message is displayed when a MOVEOWNER command is issued, and one or both
specified SMFID operands are invalid. ConGroup does not recognize the SMFID(s).

**Action**
Obtain the correct SMFID(s) and retry the command.

**CGRP652E**

```plaintext
Another ConGroup Connected to SCF
```
**Cause**
A ConGroup task was started using an SSID that another Congroup is currently using to connect to SCF. The task ends.

**Action**
Use a different SSID configuration (i.e. //SCF$ssid DD DUMMY) in the same LPAR and retry.

---

**CGRP653E**

Configuration File Mismatch jobname stepname - Shutting Down.

**Cause**
A newly starting ConGroup address space (A) is attempting to join an established multi-mode CG-Set (N). The configuration file read by A does not match the configuration file in use by N. The existing nodes (N) reject the seek request of A with a special CSC message instructing A to shut down. The determination of configuration equality is purely textual. It is based on a CRC calculation of the config file statements excluding comment lines that begin with an asterisk. The calculation is done independently at each node at startup and at refresh. The purpose of this error detection and shutdown consequence is to prevent unintentional CSC connection of unrelated ConGroup address spaces on different LPARs.

If a Dynamic Add and/or Delete modify the running ConGroup configuration, the changes are not persistent. Dynamically added or deleted devices are not reflected in the new configuration. If a restart of ConGroup (or a Refresh) occurs, the dynamic changes will be lost.

Because of this, once a dynamic add/delete is done, ConGroup will no longer permit a new ConGroup address space to join the network of existing connected ConGroup address spaces. This is because a new ConGroup could possibly be using a configuration file that does not match the running configuration. If a new ConGroup address space is started, it will be forced (by the other ConGroups) to shut down immediately. This is true for one or more connected ConGroup address spaces.

**Action**
If the new address space (A) is a legitimate prospective member of the CGSet to which it is attempting to connect, the existing CGSet needs to be refreshed in order to update the calculated configuration CRC value at each participating node. Then restart the failing CG job or started task.

---

**CGRP654E**

Dynamic Device [Add to | Delete from] group grpname Failed

**Cause**
ConGroup was unable to add or remove one or more devices as requested.

**Action**
Determine the cause of the error (device, storage system, group name and/or SRDF group specifications), then correct and retry.
CGRP655E

Incompatible ConGroup: smfid jobname - Shutting Down

**Cause**
The indicated ConGroup instance was attempting to join a complex of a different and incompatible version of ConGroup. The ConGroup attempting to join is terminated with this message.

**Action**
Run compatible ConGroup instances.

CGRP656E

Global Operation in Progress - Shutting Down

**Cause**
During startup ConGroup detected that the ALL-CONGROUPS lock is held. This indicates that a global operation, such as a global ENABLE or Autoverify, is in process. ConGroup was terminated immediately.

**Action**
Wait until the global function is completed and restart ConGroup.

CGRP657E

MOVEOWNER not allowed with shared R1s

**Cause**
A MOVEOWNER or TAKEOVER command was entered and ConGroup is configured to allow shared R1s. The command is ignored.

**Action**
Make sure ALLOW_SHARED_R1S is specified (or defaults) to NO in the configuration file and retry.

CGRP658E

ADD/DELETE not allowed with shared R1s

**Cause**
A dynamic ADD or DELETE command was entered and ConGroup is configured to allow shared R1s. The command is ignored.

**Action**
Make sure ALLOW_SHARED_R1S is specified (or defaults) to NO in the configuration file and retry.
CGRP659E

No CSC or no EMC controllers—Shutting Down

Cause
During startup ConGroup detected that either SCF or CSC is not running or there are no Dell EMC storage systems defined. ConGroup was terminated immediately.

Action
Check to see if EMCSCF and the CSC is active. The CSC can be verified using the EMCSCF CSC,DISPLAY,HOSTS command. If it is active, check to see if there are any additional messages produced by EMCSCF to describe the reason for the failure.

CGRP660E

.CGSETnn SUBPARAMETER INVALID

Cause
User has failed to specify CGSETnn as a sub parameter of the MODE=MULTI parameter in the GLOBAL statement. ConGroup initialization is terminated.

Action
Specify the CGSETnn subparameter to the MODE parameter and restart ConGroup.

CGRP661E

Error connecting to SCF CSC—Shutting Down

Cause
During startup ConGroup detected an error when attempting to connect to SCF or CSC. ConGroup was terminated immediately.

Action
Check to see if there are any additional messages produced by EMCSCF to describe the reason for the failure.

CGRP662E

No Meta Heads Specified on SYMM_DEV# Statement

Cause
A SYMM_DEV# statement was entered for FBA devices but no meta head was defined. If SYMM DEV# is used, you must ensure that the meta heads are specified.

Action
Add the device number for the meta head in the SYMM_DEV# statement and restart ConGroup.
SCF is Incompatible with ConGroup. Shutting Down.

**Cause**
This can be the case for two reasons:

1) The MFE versions are different. This is a standard administrative prohibition, or
2) The MFE versions are the same, but required inter-dependent programming in ConGroup and the SCF SRV Environment is missing or incomplete. This usually only happens if a complex software change that logically spans both products is only partially applied.

**Action**
Ensure that the STEPLIBS in SCF and ConGroup are compatible. This generally means that any corequisite PTF pairs are correctly applied to both products and they are both recycled.

MOVEOWNER not allowed: ALL-CONGROUPS

**Cause**
A MOVEOWNER command was not allowed to run due to the ALL-CONGROUPS lock being held.

**Action**
Retry the MOVEOWNER command after the ALL-CONGROUPS lock is released.

**More Information**
The owner of the ALL-CONGROUPS lock may be determined by entering the HTSLOCK QUERY command.

CUU, NAME or SER not specified

**Cause**
Either CUU, NAME, or SER must be specified as keywords for the SYMM_DEV# statement.

**Action**
Specify either a CUU, NAME, or SER keyword parameter and retry.

**More Information**
Refer to the *Dell EMC Mainframe Enablers Consistency Groups for z/OS Product Guide* for details on the SYMM_DEV# statement.
CGRP669E

MOVEOWNER not allowed during SHUTDOWN

Cause
Indicates that MOVEOWNER (or TAKEOVER) is not allowed during shutdown.

Action
Try MOVEOWNER (or TAKEOVER) when ConGroup is not shutting down.

CGRP670I

Mode SINGLE Forcing Owner to Local SMFID nnnn

Cause
This message is issued if the single-LPAR mode (SINGLE) is specified or defaulted.
The corresponding logic overrides any OWNER statement in the configuration file and
the local SMFID nnnn will be used as OWNER.

Action
None.

CGRP671E

Duplicate SMFID Detected

Cause
A system with a duplicate SMFID has been detected during ConGroup startup. A
ConGroup address space is required to have a unique SMFID. ConGroup initialization is
terminated.

Action
Locate the LPAR with the duplicate SMFID and shut it down to change it to a unique
SMFID.

CGRP673W

Trip of Group ggggggg Not Allowed - no controllers.

Cause
Caused by trying to trip Group ggggggg and all devices in a storage system have been
deleted.

Action
Either add a device(s) or don't trip the empty group.
**CGRP674I**

**MODE=MULTI Config. CSC Activated.**

**Cause**
MODE=MULTI was specified, and ConGroup activated the CSC (Cross System Communication) component.

**Action**
None.

**CGRP674W**

**congroup_name cuu symm-serial is a gatekeeper.**

**Cause**
The device from group `group_name` is a gatekeeper as specified or defaulted in the SCF initialization file. In an Autoswap environment, this is undesirable since a swap of the group will swap the gatekeeper as well. Subsequent control operations by ConGroup may no longer function correctly.

**Action**
To avoid potential problems, reconfigure the SCF initialization file to ensure that devices managed by ConGroup are not specified or defaulted as gatekeepers.

**CGRP675I**

**CAX Required. CSC Activated.**

**Cause**
One or more CAX groups were specified and the CSC (Cross System Communication) component has been activated.

**Action**
None.

**CGRP676W**

**AT LEAST ONE UNQUALIFIED DEVICE IN GROUP**

**Cause**
Indicates that the group contains at least one device that is not qualified to be included in a consistency group.

Message CGRP676W always follows message CGRP127W (which identifies an R2 device that was specified as an R1 device) and is followed by message CGRP515W (which indicates that the group was bypassed).

This is normal when complementary groups are defined (R1 to R2) and (R2 to R1). The R2-to-R1 group will be bypassed. Later, after an autoswap followed by SRDF Host
Component personality swap and ConGroup REFRESH, FORCE command, the original group will get bypassed instead.

Action
None.

**CGRP751I**

nodename CONNECTING

**Cause**
A congroup node is connecting to a multi-node (or single) group of congroups. It may be the only ConGroup.

If no other ConGroups are found, this message is followed immediately by CGRP761I. If other ConGroups are found, each ConGroup immediately issues message CGRP760I at the same time on its respective console. Every ConGroup in the new configuration issues this message (CGRP751I) at the same time.

Action
None.

**CGRP752I**

node PREVIOUSLY CONNECTED

**Cause**
If a CGRP751I message is issued and the connecting node has found other ConGroups, every already-running ConGroup is displayed as "previously" connected in a CGRP752I message on the "entering" node's console. The order of the CGRP751I and CGRP752I messages is meaningless.

Action
None.

**CGRP753I**

node DISCONNECTING

**Cause**
When a node leaves the network (by design or failure), a CGRP753I message naming the disconnecting node is issued independently at each remaining node at the same time.

Action
None.

**CGRP760I**

MULTI-NODE (2) NETWORK 00000119 ESTABLISHED
Cause
If two or more ConGroups form a network (and anytime that topology changes but continues to consist of two or more ConGroups) a CGRP760I message is issued at all ConGroups at the same time. Each message on each respective console contains the same node count and network ID.

Action
None.

CGRP761I

SINGLE NODE NETWORK ESTABLISHED

Cause
If a single node starts and finds no other nodes, or if a multi-node network decreases in size to one node, message CGRP760I is issued.

Action
None.

CGRP770W

CONGROUP grpname UNUSABLE ON CURRENT SUBCHANNEL SET

Cause
Specified consistency group cannot be identified in the indicated subchannel set.

Action
Check the device number and compare it to the current subchannel set.

CGRP771E

ALLOW_MSS(n[,m]) Does Not Include a '0' Value Specification

Cause
An ALLOW_MSS parameter was specified on a CONGROUP statement but it didn't include a '0' sub-parameter value \(n\) at a minimum. Initialization is terminated.

Action
Specify the '0' value (for example, ALLOW_MSS(0)) and restart.

CGRP772E

CONGROUP gggggggg PAIR PARTNER ALREADY ACTIVE

Cause
Another group with the same pair name as the currently processed group is already scheduled for activation. The current group cannot be activated.
Action
Ensure that only one of the two paired consistency groups is eligible for activation.

CGRP773E

commandname not allowed without SCF

Cause
A command was issued that cannot be supported while SCF is unavailable.

Action
Re-issue the command when SCF is running.

CGRP799I

WAITING for other ConGroups to shut down.

Cause
When you shut down ConGroups in a multi-mode network, the ConGroup with the alphanumerically highest SMFID is the last to shut down. If you shut down the ConGroup with the highest SMFID before the other ConGroups shut down, the ConGroup application shuts down, but the address space remains up until the rest of the ConGroup instances shut down. You see this message while the other ConGroup instances are shutting down.

Action
None.

CGRP800I

Shutdown Complete

Cause
A ConGroup shutdown has occurred on an LPAR. This message is issued just before ConGroup terminates.

Action
None.

CGRP801I

ALL-CONGROUPS LOCK HELD - SHUTDOWN delayed up to 5 minutes.

Cause
A "P CGtask" was entered while the ALL-CONGROUPS lock is held. The Stop will now be retried internally for up to 5 minutes while waiting for the AC lock to clear so as to allow for a graceful stop. If the lock has not been cleared at the end of the 5 minutes a more forceful version of stop will end the ConGroup application.
**Action**
You may attempt to clear the ALL-CONGROUPS lock to shut down in less than 5 minutes. The most common cause is after AutoSwap because, after a Swap, the ALL-CONGROUPS lock is intentionally left on. The normal process is then to manually delete the primary CAX group, which also frees the ALL-CONGROUPS lock (do it with: DAS DEL GRP groupname)

**More Information**
This is not generally recommended, but in an emergency the z/OS Modify command may bring the ConGroup application down quickly:

F CGtask,STOP

---

**CGRP821I**

SCF Configuration Changed

**Cause**
This message is issued by ConGroup when it is notified by SCF that the configuration has changed.

**Action**
Informational, no action is necessary.

---

**CGRP822I**

CONTROLLER serial [Added|Deleted] Successfully
Name: ctlr-name Ucode: u-lev, Dev Count#: dev#, GK: dddd

**Cause**
A storage system has been either added or deleted from the ConGroup configuration.

Where:
- **ctlr-name** - the user supplied name (if any) of the storage system.
- **u-lev** - the operating environment level of the storage system.
- **dev#** - number of devices attached to the storage system.
- **dddd** - channel address of the gatekeeper.

**Action**
None.

---

**CGRP823W**

CONTROLLER serial In Use. Delete Not Allowed.

**Cause**
A #DELETE command of a storage system was attempted, but the storage system was in use. Consequently, the command was rejected.

**Action**
Retry after usage is quiesced.
CGRP824W


**Cause**
A #ADD command to add a storage system failed. The reason for the failure is included as part of the error message directly after the *serial* of the storage system. The command is rejected.

*Already Added* - SCF adds all storage systems it finds (based on the INI file).

*Not Visible to SCF* - The specific storage system has not been included via the SCF INI file, so ConGroup cannot add it.

**Action**
Determine the cause of the error and retry if necessary.

CGRP825I

UCB for CUU(dddd) text

**Cause**
This is a result of either a ConGroup PIN or UNPIN command where;

*ddddd* = The channel address of the device that is the object of the command

*text* = One of the following informational statements:
- pinned
- Pinned
- Pin Failed. CUU Not Found.
- Pin Failed: Already Pinned
- Pin Failed. UCBPIN Error.
- Pin Failed. Unknown Error.
- Unpinned
- Unpin Failed.
- Unpin Failed. CUU Not Found.
- Unpin Failed. Already Unpinned.
- Unpin Failed. UCBPIN Error.
- Unpin Failed. Unknown Error.
- Unpin Failed: Last Gatekeeper

**Action**
- For Pin/Unpin Failed. CUU Not Found specify a valid gatekeeper address, correct and retry.
- For Pin Failed: Already Pinned no action is necessary as the gatekeeper was already pinned.
For Unpin Failed: Last Gatekeeper ConGroup will not allow the last gatekeeper path to be unpinned. No action is necessary.

For Unpin Failed. Already Unpinned no action is necessary as the gatekeeper was already unpinned.

For UCBPIN Error or Unknown Error, retry. If failure continues, contact Dell EMC Support.

**CGRP997I**

Dynamic information content per situation

**Cause**

All CGRP997I messages are informational and are displayed for possible use by Dell EMC support personnel. The content will vary but customers need not be concerned with the content unless support asks for it.

**Action**

Record message and have available for Dell EMC Customer Support, if an issue needs to be addressed.

**CGRP998E**

OWNERID missing from CAXOPTS name

**Cause**

The CAX options set name does not include the owner ID.

**Action**

Review the syntax and correct the options set specification.

**ECGC0001**

ConGroup Cleanup Utility Vn.n Ready

**Cause**

ECGUTIL, the ConGroup Cleanup utility, has been started and is ready.

**Action**

None.

**ECGC000I**

ConGroup Cleanup Utility Vn.n Ready

**Cause**

ECGUTIL, the ConGroup Cleanup utility, has been started and is ready.

**Action**

None.
ECGC001I

CLASS=cccccccc RESOURCE=rrrrrrrrrr

Cause
This is an informational message from ECGUTIL indicating the SAF authorization call parameters for CLASS cccccccc and RESOURCE rrrrrrrrrrr.

Action
No action is necessary. See the following message ECGC002I for results of the SAF call.

ECGC002I

message text

Cause
This is a informational message that displays the result of the previous SAF call (see message ECGC001I).

message text will be the result returned by SAF such as 'ACESS DENIED', 'DEFAULT ACCESS USED', 'ACCESS ALLOWED', etc.

Action
If the message indicates a failure when success is expected, check the access level of your user or contact your security department.

ECGC003E

Duplicate Group Name

Cause
ECGUTIL has encountered a duplicate instance of a group name being defined or used.

Action
Reedit the statement to use a correct, non-duplicate group name.

ECGC004E

Group Not Found for Add Device

Cause
ECGUTIL has found an ADD statement for a non-existent group.

Action
Either remove the ADD statement, if extraneous or correct the name of the group.
ECGC005E

Group Not Found for Set Group

Cause
The group name used in a SET GROUP statement was not previously defined with a DG statement.

Action
Either enter a DG statement to define the group specified or change the name of the group to a defined one in the SET GROUP statement.

ECGC006E

Transport Layer Error on Syscall.

Cause
An internal error.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

ECGC007E

At Least One Serial Number Invalid.

Cause
One or more of the serial numbers specified to ECGUTIL is incorrectly specified or does not exist.

Action
Check the serial numbers and enter them again.

ECGC100I

ConGroup Cleanup Utility version-description Ending

Cause
ECGUTIL has encountered a STOP command and is ending processing.

Action
None.
ECGU002I

Utility Now Accepting Console Commands

**Cause**
When the input stream ends without a STOP statement, ECGUTIL executes prior instream commands and then stops processing. If you do not enter STOP, ECGUTIL waits for further input from the console after executing any other instream commands.

**Action**
Enter required ECGUTIL command from the console or enter 'F jobname,STOP' command to complete ECGUTIL processing.
CHAPTER 5

TimeFinder Clone Mainframe Snap Facility

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AEXT001E

DATASET NAME MISSING

Cause
Internal error - an allocation request was made without specifying the dataset name.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

AEXT002E

INVALID CHARACTERS IN DATASET NAME

Cause
The dataset name specified contains invalid characters.

Action
Re-specify the dataset name using valid characters. Valid characters are: A-Z, 0-9, @, #, $, and period.

AEXT003E

MODEL DATASET NAME MISSING

Cause
Internal error – an allocation request was made without specifying the model (or pattern) dataset.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

AEXT004E

DATASET TYPE INVALID - type

Cause
Internal error - an allocation request was made for an unsupported dataset type.
**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

---

**AEXT005E**

**NO SOURCE VOLUMES SUPPLIED**

**Cause**
Internal error – no source volumes for the model dataset were specified.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

---

**AEXT006E**

**NO TARGET VOLUMES SUPPLIED**

**Cause**
No target candidate volumes for the new dataset were specified.

**Action**
Target candidate volumes must be supplied. Based upon the BCVONLY and DATAMOVERNAME parameters, they must also be appropriate type volumes.

---

**AEXT007E**

**NOT ENOUGH TARGET VOLUMES SUPPLIED**

**Cause**
The source dataset is contained on more volumes than were supplied as valid target candidate volumes.

**Action**
More target candidate volumes must be supplied. Based upon the BCVONLY and DATAMOVERNAME parameters, they must also be appropriate type volumes.

---

**AEXT008E**

**AIX DATASET MISSING RELATE NAME**
**AEXT009E**

**SIMPLEX DATASET HAS COMPONENT LIST**

**Cause**
Internal error – a non-VSAM dataset is being allocated, but a list of component dataset names was also supplied.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**AEXT011E**

**COMPONENT DATASET TYPE INVALID - type**

**Cause**
Internal error – an allocation request was made for an unsupported component dataset type. Only data and index component types are supported.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**AEXT012E**

**NO COMPONENT SOURCE VOLUMES SUPPLIED**

**Cause**
Internal error – no source volumes for the model dataset component were specified.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**AEXT013E**

NO COMPONENT TARGET VOLUMES SUPPLIED

**Cause**
No target candidate volumes for the new dataset component were specified.

**Action**
Target candidate volumes must be supplied. Based upon the BCVONLY and DATAMOVERNAME parameters, they must also be appropriate type volumes.

**AEXT014E**

NOT ENOUGH TARGET VOLUMES SUPPLIED

**Cause**
The source dataset is contained on more volumes than were supplied as valid target candidate volumes.

**Action**
More target candidate volumes must be supplied. Based upon the BCVONLY and DATAMOVERNAME parameters, they must also be appropriate type volumes.

**AEXT015E**

COMPONENT DATASET NAME MISSING

**Cause**
Internal error – an allocation request was made without specifying the component dataset name.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**AEXT016E**

INVALID CHARACTERS IN COMPONENT DATASET NAME

**Cause**
The component dataset name specified contains invalid characters.
Action
Re-specify the dataset name using valid characters. Valid characters are: A-Z, 0-9, @, #, $, and period. The component dataset name is usually specified through the TARGET or RENAMEUNCONDITIONAL parameters.

AEXT017E

COMPONENT MODEL DATASET NAME MISSING

Cause
Internal error – an allocation request was made without specifying the model (or pattern) dataset.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

AEXT018E

COMPONENT AIX RELATE NAME PRESENT

Cause
Internal error – an AIX base cluster name was specified for the component of a VSAM cluster.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

AEXT019E

COMPONENT DATA CLASS NAME PRESENT

Cause
Internal error – a SMS data class name was specified for the component of a VSAM cluster.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
**AEXT020E**

**COMPONENT MANAGEMENT CLASS NAME PRESENT**

**Cause**
Internal error – a SMS management class name was specified for the component of a VSAM cluster.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**AEXT021E**

**COMPONENT STORAGE CLASS NAME PRESENT**

**Cause**
Internal error – a SMS storage class name was specified for the component of a VSAM cluster.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**AEXT022E**

**UNABLE TO CREATE VTOCIX ON VOLUME volser**

**Cause**
Internal error – an attempt to create a VTOC index on the volume failed.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**AEXT023E**

**NEW DATASET NAME ALREADY CATALOGED**
Cause
The request to allocate a new dataset has failed because the dataset already exists in
the system catalog.

Action
Change the dataset name to a new name or delete the existing dataset. You may also
specify REPLACE(YES) with or without REUSE(YES) to automatically replace the
existing dataset.

AEXT024E

EXTENTS ENDED WITH R15 = rc

Cause
Internal error – a call to the EXTENTS program ended with an unexpected return
code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for
applicable solutions relating to this message ID. If you cannot determine and correct
the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the JOB log, and all relevant job documentation
available.

AEXT025E

EXTENTS ENDED WITH R15 = 0, NO OBJECTS

Cause
Internal error – a call to the EXTENTS program ended successfully, but no objects
were returned.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for
applicable solutions relating to this message ID. If you cannot determine and correct
the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

AEXT026E

EXTENTS ENDED WITH R15 = rc

Cause
Internal error – a call to the EXTENTS program ended with an unexpected return
code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for
applicable solutions relating to this message ID. If you cannot determine and correct
the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.
AEXT027E

EXTENTS ENDED WITH R15 = 0, NO OBJECTS

Cause
Internal error – a call to the EXTENTS program ended successfully, but no objects were returned.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

AEXT028E

EXTENTS ENDED WITH R15 = rc

Cause
Internal error – a call to the EXTENTS program ended with an unexpected return code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

AEXT029E

EXTENTS ENDED WITH R15 = 0, NO OBJECTS

Cause
Internal error – a call to the EXTENTS program ended successfully, but no objects were returned.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

AEXT030E

EXTENTS ENDED WITH R15 = rc

Cause
Internal error – a call to the EXTENTS program ended with an unexpected return code.
**AEXT031E**

**EXTENTS ENDED WITH R15 = 0, NO OBJECTS**

**Cause**
Internal error – a call to the EXTENTS program ended successfully, but no objects were returned.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**AEXT032E**

**NO EXTENTS FOUND ON SOURCE VOLUME volser**

**Cause**
Internal error – the source/model dataset was not found on one of the volumes specified.

**Action**
This was validated prior to the request for allocation and should not occur. Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**AEXT033E**

**UCB FOR SOURCE VOLUME NOT FOUND volser**

**Cause**
Internal error – unable to locate an online device with the indicated volser.

**Action**
This was validated prior to the request for allocation and should not occur. Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

AEXT034E

ERROR (rc) READING VVR ON volser

Cause
An error occurred while attempting to read the VVDS for the source dataset on the volume.

Action
First, verify that the VVDS on the volume is valid. This can be done by running an IDCAMS DIAGNOSE request. If the VVDS is fine, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

AEXT035E

ERROR (rc) READING VVR ON volser

Cause
An error occurred while attempting to read the VVDS for the source dataset on the volume.

Action
First, verify that the VVDS on the volume is valid. This can be done by running an IDCAMS DIAGNOSE request. If the VVDS is fine, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

AEXT036E

RAN OUT OF TARGET VOLUMES WITH SUFFICIENT SPACE IN THE SAME CONTROLLER

Cause
A volume with sufficient space was not found in the same storage system as the source volume. The site option of SAMEONLY(Y) is enabled and only volumes in the same storage system will be considered for allocation when a DATAMOVERNAME(NONE) is specified or implied.

Action
Make additional candidate volumes available, use a DATAMOVERNAME so the dataset can be allocated in another storage system, or change the site option of SAMEONLY to (N).

AEXT037E

CVAFVSM ALLOC RC: rc CVSTAT: stat-rc
Cause
CVAFVSM returned with an unexpected error while allocating space.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

AEXT038E

CVAFVSM RLSE RC: rc CVSTAT: stat-rc

Cause
CVAFVSM returned with an unexpected error while releasing space.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

AEXT039E

CVAFDSM IXADD RC: rc CVSTAT: stat-rc

Cause
CVAFDSM returned with an unexpected error while adding the target dataset to the VTOC index.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

AEXT040E

CVAFDSM IXDLT RC: rc CVSTAT: stat-rc

Cause
CVAFDSM returned with an unexpected error while removing the target dataset from the VTOC index.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

AEXT041E

CVAFDSM ALLOC RC: rc CVSTAT: stat-rc

Cause
CVAFDSM returned with an unexpected error while allocating space.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

AEXT042E

CVAFDSM RLSE RC: rc CVSTAT: stat-rc

Cause
CVAFDSM returned with an unexpected error while releasing space.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

AEXT043E

CVAFDIR WRITE RC: rc CVSTAT: stat-rc

Cause
CVAFDIR returned with an unexpected error while writing to the VTOC.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

AEXT044E

CVAFDIR RLSE INDEX RC: rc CVSTAT: stat-rc
**AEXT045E**

CVAFDIR RLSE MAP RC: \texttt{rc} CVSTAT: \texttt{stat-rc}

**Cause**
CVAFDIR returned with an unexpected error while releasing the VTOC index map buffers.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**AEXT046E**

CVAFDIR RLSE IOAREA RC: \texttt{rc} CVSTAT: \texttt{stat-rc}

**Cause**
CVAFDIR returned with an unexpected error while releasing the VTOC index I/O area buffers.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**AEXT047E**

CVAFDIR WRITE INDEX RC: \texttt{rc} CVSTAT: \texttt{stat-rc}

**Cause**
CVAFDIR returned with an unexpected error while writing to the VTOC index.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

AEXT048E

CVAFDIR WRITE MAP RC: rc CVSTAT: stat-rc

Cause
CVAFDIR returned with an unexpected error while writing to the VTOC index map.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

AEXT049E

VOLUME volser DOES NOT HAVE VTOCIX

Cause
The allocation by extent function requires that all of the target volume be managed with a VTOC index. This volume does not have a VTOC index.

Action
Choose a different volume or create and activate a VTOC index on this volume.

AEXT050E

NEW DATASET ALREADY ON TARGET VOLUME volser

Cause
The new target dataset already exists on this candidate volume.

Action
Erase the dataset from this volume or remove this volume from the list of candidate volumes.

AEXT051E

TARGET VOLUME LIST HAS SMS AND NON-SMS VOLUMES

Cause
The list of target candidate volume has both SMS and non-SMS volumes specified.

Action
For a non-SMS dataset, limit the target candidate volume list to non-SMS volumes. For a SMS dataset, limit the target candidate volume list to SMS volumes.
AEXT052E

ERROR (rc) WRITING VVR ON volser

Caused by an error occurred while writing the new VVR records to the VVDS on this volume.

Action
First, verify that the VVDS on the volume is valid. This can be done by running an IDCAMS DIAGNOSE request. If the VVDS is fine, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

AEXT053E

ERROR (rc) DELETING VVR ON volser

Caused by an error occurred while deleting the new VVR records from the VVDS on this volume.

Action
First, verify that the VVDS on the volume is valid. This can be done by running an IDCAMS DIAGNOSE request. If the VVDS is fine, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

AEXT054E

VSAM DATASETS MUST BE CATALOGED

Caused by an internal error – a request to create a VSAM dataset also indicated that the dataset should not be catalogued.

Action
VSAM datasets must be catalogued.

AEXT055E

COMPONENT CATALOG NAME DOES NOT MATCH THE CLUSTER CATALOG NAME

Caused by an internal error - the catalog name specified for the component must be the same as the catalog name specified for the cluster.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

AEXT056E

UNABLE TO DETERMINE CATALOG

**Cause**
Internal error – unable to locate the catalog for this dataset. A request to the EXTENTS program returned without being able to resolve the catalog name.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

AEXT057E

SOURCE VSAM FILE IS MISSING VVR RECORDS

**Cause**
An error occurred while attempting to read the VVR records for the source dataset.

**Action**
Action: First, verify that the VVDS for each of the source volumes is valid. This can be done by running an IDCAMS DIAGNOSE request. If the VVDS is fine, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

AEXT058E

IDCAMS RC: rc

**Cause**
An attempt to catalog the new target dataset failed.

**Action**
Review the supplied IDCAMS log and correct the error.

AEXT059E

IDCAMS RC: rc

**Cause**
An attempt to delete the new target dataset failed.

**Action**
Review the supplied IDCAMS log and correct the error.
AEXT060E

ABEND code DETECTED

Cause
An abend occurred while attempting to allocate a dataset.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

AEXT061E

CVAFDSM COUNT RC: rc CVSTAT: stat-rc

Cause
CVAFDSM returned an unexpected error while obtaining volume MAPDATA information.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

AEXT062E

ERROR ALLOCATING TO DDNAME RC: rc

or

INTERNAL DYNALLOC ERROR

Cause
Error from SVC 99 trying to use dynamic allocation.

or

Internal buffer overflow while building dynamic allocation parameter list.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
AEXT063E

UNABLE TO CREATE LMDB ON VOLUME vvvvvv

Cause
Unable to create the Logical Migrator Database on the indicated volume

Action
Usually, this is because there is not enough contiguous space available on the volume. The LMDB requires 15 cylinders.

AEXT064E

NEW DATA SET NAME NOT CATALOGED

Cause
A request to synchronize a dataset failed because the dataset was not found in the catalog.

Action
Catalog the dataset, or correct the dataset name.

AEXT065E

CVAFDIR READ RC: rc CVSTAT: stat

Cause
CVAFDIR returned with an unexpected error while reading DSCBs.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

AEXT067E

CVAFVSM ALLOC RC: rc CVSTAT: stat

Cause
CVAFVSM returned with an unexpected error while allocating space.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
AEXT068E

CANNOT EXPAND INPLACE, SPACE NOT AVAILABLE

**Cause**
A request to synchronize a dataset failed because there is not enough space available on the volume.

**Action**
There are two possible reasons that space may not be available. First, the space necessary for a new extent is not available on a volume. Second, an existing extent grew in size, making it physically larger and the corresponding new extent does not have enough free space adjacent to it in order to expand the extent.

AEXT069E

CVAFDSM MAPVOLUME RC: xxxxxxxx CVSTAT: xx

**Cause**
CVAFVSM returned with an unexpected error while mapping the volume space.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

AEXT070E

EXPAND SOURCE DATASET MISSING ON TARGET

**Cause**
When synchronizing a source dataset with a target dataset, the source dataset was found on more volumes than the target dataset.

**Action**
Ensure that the correct list of source and target volumes has been provided.

AEXT072E

EXTENT AT CYL0 TRK0 (1)

**Cause**
When using extent allocation inside of the EMCALLOC module, creation of a format 1 DSCB is attempted. The error occurs when the relative track address for the extent that this DSCB describes is found to be 0.
**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**EDSS000I**

**EMCDSSU IS ALREADY RUNNING, CANNOT BE REENTERED**

**Cause**
Internal error.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**EDSS001S**

**OUTPUT LISTING DD STATEMENT () MISSING**

**Cause**
The output log DD statement is missing from the JCL.

**Action**
Add the appropriate output log DD statement – usually SYSPRINT. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**EDSS002S**

**ERROR OPENING OUTPUT LISTING DD STATEMENT ()**

**Cause**
An error occurred when opening the output log DD statement. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**Action**
A z/OS error message should be available in the job log. Refer to the z/OS error message.

**EDSS003S**

**INPUT DD STATEMENT () MISSING**

**Cause**
The input DD statement is missing from the JCL.
Action
Add the appropriate input DD statement – usually SYSIN.

EDSS004S

ERROR OPENING INPUT DD STATEMENT ()

Cause
An error occurred when opening the input DD statement.

Action
An z/OS error message should be available in the job log. Refer to that z/OS error message.

EDSS005I

MORE THAN TWO PARAMETERS WERE SUPPLIED TO EMC DFDSS, AUTOMATIC PASSTHROUGH TO ADRDSSU INVOKED

Cause
EMCDSSU is being invoked through the ADRDSSU API interface. This is not supported.

Action
None – the request is automatically processed by ADRDSSU.

EDSS006I

AUTOMATIC PASSTHROUGH TO ADRDSSU REQUESTED

Cause
An override DD statement forcing pass through to ADRDSSU was detected in the JCL.

Action
None – The request is automatically processed by ADRDSSU.

EDSS007S

EMCSNAPI VERSION IS NOT APPROPRIATE - FOUND xx NEEDED xx

Cause
The SNAPI interface available through SCF is not appropriate for this release of EMCDSSU.

Action
Ensure that the correct version of SCF is available. It may be necessary to supply a //scf$xxxx override DD statement to access the correct SCF.
EDSS008S

EMCSNAPI ERROR

Cause
An error occurred in the EMCSNAPI application.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

EDSS020I

PARSE ERROR WITH ADRDSSU COMMAND INPUT

Cause
A keyword was encountered in parsing EMCDSSU input that was not recognized.

Action
Control will be passed to ADRDSSU and EMCDSSU will not execute.

Note
The EMCDSSU Parameters table in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information about supported EMCDSSU parameter keywords.

EMCSVLQC

EMC EMQCAPI IS NOT A SUPPORTED VERSION, EMQCAPI= x.x DESIRED=yy

or

EMC EMQCAPI IS NOT AVAILABLE - SERVICE FAILED

Cause
Format 1: The version of the low level API (EMQCAPI) is not supported by TimeFinder.

Format 2: EMQCAPI is not available. Probably SCF is not running or an SCF override (/SCF$xxxx) identifies an SCF that is not running.

Action
Format 1: Ensure that license feature codes have been entered into SCF and that the correct version of Dell EMC TimeFinder is being used with the correct version of EMQCAPI.

Format 2: Start SCF and ensure that the SCF override (/SCF$xxxx) is correct (if present).
**EQCA006E**

SAICALL FC01 BAD RC, R15=rc, R0=value R1=value

**Cause**
A request to obtain device information about the source device has failed.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

“Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA007E**

SAICALL FC01 BAD RC, R15=rc, R0=value R1=value

**Cause**
A request to obtain device information about the target device has failed.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

“Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA018E**

SGEP(xxxx.xx.xx) BAD RC, 3E DATA value

or

SGEP(xxxx.xx.xx) I/O FAILED, DOIO RC rc

**Cause**
A syscall (xxxx.xx.xx) returned unexpected data during a call to get the extents pointer.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct
the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

“DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA019E**

SSEP(xxxx.xx.xx) BAD RC, 3E DATA value

or

SSEP(xxxx.xx.xx) I/O FAILED, DOIO RC rc

**Cause**

A syscall (xxxx.xx.xx) returned unexpected data during a call to set the extents pointer.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

**Action**

Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

“DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA020E**

RETR(GET) I/O FAILED, DOIO RC rc

or

RETR(GETLOCK) I/O FAILED, DOIO RC rc

or

RETR(GETLOCK) RETRY EXHAUSTED, COULD NOT GET LOCK

**Cause**

An I/O failed while trying to read the extents track, with the indicated return code.

or

An I/O failed while trying to obtain the extents track lock, with the indicated return code.

or

Repeated attempts to obtain the extents track lock have failed.
Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

“DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

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**EQCA021E**

WEXT(PUT) I/O FAILED, DOIO RC rc

Cause
An I/O failed while trying to write the extents track, with the indicated return code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

More Information
If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

“DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

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**EQCA022E**

VETR(GET) EXTENT TRACK FORMAT ERROR - CODE=code

Cause
An I/O failed while trying to verify the extents track contents.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

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**EQCA023E**

SCCP(xxxx.xx.xx) BAD RC, 3E DATA value

or

SCCP(xxxx.xx.xx) I/O FAILED, DOIO RC rc

Cause
A syscall (xxxx.xx.xx) returned unexpected data during a call to check the active copy status.
A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

“DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA024E**

RDCH RDC(64) FAILED, DOIO RC rc

**Cause**
An I/O to read the device characteristics failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

“DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone MainframeSnap Facility Product Guide provides more information.

**EQCA025E**

SREX(xxxx.xx.xx) BAD RC, 3E DATA value

or

SREX(xxxx.xx.xx) I/O FAILED, DOIO RC rc

**Cause**
A syscall (xxxx.xx.xx) returned unexpected data during a call to remove a copy extent.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

“DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.
EQCA027E

SCSI(\texttt{xxxx.xx.xx}) BAD RC, 3E DATA value

or

SCSI(\texttt{xxxx.xx.xx}) I/O FAILED, DOIO RC rc

\textbf{Cause}

A syscall (\texttt{xxxx.xx.xx}) returned unexpected data during a call to create a new session identifier.

or

A syscall (\texttt{xxxx.xx.xx}) I/O failed with the indicated return code.

\textbf{Action}

Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

“DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

EQCA028E

SGSL\mid SGTL(\texttt{xxxx.xx.xx}) BAD RC, 3E DATA value

or

SGSL\mid SGTL(\texttt{xxxx.xx.xx}) I/O FAILED, DOIO RC rc

\textbf{Cause}

A syscall (\texttt{xxxx.xx.xx}) returned unexpected data during a call to get the active copy session list.

or

A syscall (\texttt{xxxx.xx.xx}) I/O failed with the indicated return code.

\textbf{Action}

Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

“DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

EQCA029E

SRSI(\texttt{xxxx.xx.xx}) BAD RC, 3E DATA value
SRSI(xxxx.xx.xx) I/O FAILED, DOI0 RC rc

**Cause**
A syscall (xxxx.xx.xx) returned unexpected data during a call to remove an existing session identifier.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

“DOI0 error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

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**EQCA030E**

SEDV|SEEX(xxxx.xx.xx) BAD RC, 3E DATA value

or

SEDV|SEEX(xxxx.xx.xx) I/O FAILED, DOI0 RC value

**Cause**
A syscall (xxxx.xx.xx) returned unexpected data during a call to establish a new copy extent.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

“DOI0 error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

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**EQCA032E**

SCST|SCTT(xxxx.xx.xx) BAD RC, 3E DATA value

or

SCST|SCTT(xxxx.xx.xx) I/O FAILED, DOI0 RC rc

**Cause**
A syscall (xxxx.xx.xx) returned unexpected data during a call to check the track status.
or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

**Action**

Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

“DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

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**EQCA033E**

SRPR(xxxx.xx.xx) BAD RC, 3E DATA value

or

SRPR(xxxx.xx.xx) I/O FAILED, DOIO RC rc

**Cause**

A syscall (xxxx.xx.xx) returned unexpected data during a call to remove protection from some tracks.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

**Action**

Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

“DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

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**EQCA034E**

Format 1:

MAXIMUM OF number SESSIONS PER DEVICE EXCEEDED (DEV)

Format 2:

MAXIMUM OF number SESSIONS PER DEVICE EXCEEDED (XTNT)

Format 3:

MAXIMUM OF number SESSIONS PER DEVICE EXCEEDED (VDEV)
Format 4:
(SECL) UCODE REGISTRATION FAILED, PROBABLY SESSION COUNT EXCEEDED

Format 5:
(SEDV) UCODE REGISTRATION FAILED, PROBABLY SESSION COUNT EXCEEDED

Format 6:
(SEEX) UCODE REGISTRATION FAILED, PROBABLY SESSION COUNT EXCEEDED

Format 7:
(SENX) UCODE REGISTRATION FAILED, PROBABLY SESSION COUNT EXCEEDED

Format 8:
(SEVR) UCODE REGISTRATION FAILED, PROBABLY SESSION COUNT EXCEEDED

Format 9:
(SEMD) UCODE REGISTRATION FAILED, PROBABLY SESSION COUNT EXCEEDED -
DEVICE xxxxxxxxxx

Format 10:
MAXIMUM OF number SESSIONS PER DEVICE EXCEEDED (MVDEV)

Cause
The number of allowed sessions for that type has been exceeded. The maximum
number of sessions varies depending on the session type.
Format 1, 4, 5, 9 - full device request - limit 4 sessions.
Format 2, 6, 7 - extent (dataset) request - limit 4 sessions.
Format 3, 8 - VDEV request - limit 8 sessions.
Format 10 - Multi-VDEV request - limit 128 sessions.

Action
Using the information provided by the message, submit again.

EQCA035E

EMCSAI HTRCE BAD RC, R15=xx R0=xx R1=xx EMCRC=xx EMCRS=xx

Cause
An attempt to write a host trace record failed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for
applicable solutions relating to this message ID. If you cannot determine and correct
the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the JOB log, and all relevant job documentation
available.
EQCA036E

VETR(GET) EXTENT TRACK LOCK FORMAT UNSUPPORTED

**Cause**
The method used for locking the extent track is not supported by this release of TimeFinder software.

**Action**
Two different release levels of the software are being used on the same device. They are using different methods for locking the extent track. The newer release of software will support all known levels of extent track locking, and the older release should no longer be used.

EQCA037E

**Format 1:**
SOURCE EXTENT IS INDIRECT AND CANNOT BE COPIED

**Format 2:**
(SEMD) SOURCE EXTENT IS INDIRECT AND CANNOT BE COPIED

**Format 3:**
(SEMV) SOURCE EXTENT IS INDIRECT AND CANNOT BE COPIED

**Format 4:**
(SEVR) SOURCE EXTENT IS INDIRECT AND CANNOT BE COPIED

**Format 5:**
(SRVR) SOURCE EXTENT IS INDIRECT AND CANNOT BE COPIED

**Format 6:**
(SEDV) SOURCE EXTENT IS INDIRECT AND CANNOT BE COPIED

**Cause**
A TimeFinder operation is being attempted for a dataset which is the current target of an existing TimeFinder operation.

**Action**
A dataset may not be used as the source of a snap if it is currently the target of a snap. Wait until the current snap operation completes and try the snap operation again.
**EQCA038E**

SSSL(xxxx.xx.xx) BAD RC, 3E DATA value

or

SSSL(xxxx.xx.xx) I/O FAILED, DOIO RC rc

**Cause**

A syscall (xxxx.xx.xx) returned unexpected data during a call to log the SymmAPI-MF activity.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

**Action**

Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. The Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA039E**

SCPY(xxxx.xx.xx) BAD RC, 3E DATA value

or

SCPY(xxxx.xx.xx) I/O FAILED, DOIO RC rc

**Cause**

A syscall (xxxx.xx.xx) returned unexpected data during a call to log SymmAPI-MF activity.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

**Action**

Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA040E**

RTR0 FAILED, DOIO RC rc
Cause
An I/O to read the R0 record failed with the indicated return code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA042E**

<table>
<thead>
<tr>
<th>SGSY(xxxx.xx.xx) BAD RC, 3E DATA value</th>
</tr>
</thead>
<tbody>
<tr>
<td>or</td>
</tr>
<tr>
<td>SGSY(xxxx.xx.xx) I/O FAILED, DOIO RC rc</td>
</tr>
</tbody>
</table>

**Cause**
A syscall (xxxx.xx.xx) returned unexpected data during a call to log SymmAPI-MF activity.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA043E**

<table>
<thead>
<tr>
<th>SCTP(xxxx.xx.xx) BAD RC, 3E DATA value</th>
</tr>
</thead>
<tbody>
<tr>
<td>or</td>
</tr>
<tr>
<td>SCTP(xxxx.xx.xx) I/O FAILED, DOIO RC rc</td>
</tr>
</tbody>
</table>

**Cause**
A syscall (xxxx.xx.xx) returned unexpected data during a call to log SymmAPI-MF activity.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.
If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA044E**

Format 1:

TARGET EXTENT IS PROTECTED AND CANNOT BE COPIED

Format 2:

(SEMD) TARGET EXTENT IS PROTECTED AND CANNOT BE COPIED

**Cause**
The target dataset is protected by a concurrent copy session or a TimeFinder session. The target may not be replaced until the session terminates.

**Action**
Wait for the session to terminate and try again.

**EQCA045E**

UNABLE TO ACQUIRE STORAGE FOR I/O

**Cause**
Insufficient virtual storage was available for EMCCOPY.

**Action**
Check the region specification and re-submit the job.

**EQCA046E**

I/O ERROR READING TRACK IMAGE, SIOIOB RC nn, IOBRC nn

**Cause**
An I/O error occurred reading from the source dataset.

**Action**
The specified device must be online and there must be a path online to the device. Use the z/OS command DISPLAY PATH to view the device and path status. Use GTF to trace the I/O to the device. Save the output from GTF and from this job and contact the Dell EMC Customer Support Center for technical assistance.

**EQCA047E**

I/O ERROR WRITING TRACK IMAGE, SIOIOB RC nn, IOBRC nn
**Cause**
An I/O error occurred writing to the target dataset.

**Action**
The specified device must be online and there must be a path online to the device. Use the z/OS command DISPLAY PATH to view the device and path status. Use GTF to trace the I/O to the device. Save the output from GTF and from this job and contact the Dell EMC Customer Support Center for technical assistance.

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**EQCA048E**

**ESTABLISH EXTENT FAILURE RC=1700**

**Cause**
An operating environment error was detected.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

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**EQCA050E**

**ADLK I/O FAILED, RC value RS value**

or

**AIDL I/O FAILED, RC value RS value**

or

**ASLK I/O FAILED, RC value RS value**

**Cause**
An I/O error was detected when attempting to acquire the source device lock.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

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**EQCA051E**

**ADLK FAILED, RC value RS value**
AIDL FAILED, RC value RS value

or

ASLK FAILED, RC value RS value

**Cause**
An error was detected when attempting to acquire the source device lock.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

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EQCA052E

ADLK FAILED, RC value RS value

or

AIDL FAILED, RC value RS value

or

ASLK FAILED, RC value RS value

**Cause**
An error was detected when attempting to acquire the source device lock.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

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EQCA053E

ADLK RETRY EXHAUSTED, COULD NOT GET DEVICE LOCK

**Cause**
Repeated attempts to acquire the device lock have failed.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
EQCA054E

RDLK I/O FAILED, RC value RS value RSLK I/O FAILED, RC value RS value

Cause
An I/O error was detected when attempting to release the source device lock.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

EQCA055E

RDLK FAILED, RC value RS value RSLK FAILED, RC value RS value

Cause
An error was detected when attempting to release the source device lock.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

EQCA056E

RDLK FAILED, RC value RS value RSLK FAILED, RC value RS value

Cause
An error was detected when attempting to release the source device lock.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

EQCA057E

EMCSAI DEVS BAD RC, R15=xxxxxxxxx, R0=xxxxxxxxx R1=xxxxxxxx

Cause
An I/O error occurred while attempting to obtain device status information.
**EQCA058E**

DEVICE xxxxxxxx-cccccc IS IN MIGRATION MODE

**Cause**
A source or target device is currently in migration mode.

**Action**
Use a different device or wait until the device is no longer in migration mode.

**EQCA059E**

SGSS(xxxx.xx.xx) BAD RC, 3E DATA xxxxxx

or

SGSS(xxxx.xx.xx) BAD RC, I/O FAILED, DOIO RC ',X

**Cause**
A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

“Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA060E**

REMOVE EXTENT FAILED WITH RC=1700

**Cause**
An operating environment error was detected.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**EQCA062E**

SCVS(xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxx

or

SCVS(xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxx

**Cause**
A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA063E**

SEVR(xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxx

or

SEVR(xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxx

**Cause**
A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.
EQCA064S

EMCSCF IS NOT AVAILABLE - SERVICE SAICALL FAILED EMCSCF IS NOT A SUPPORTED VERSION, SCF=xxxx API=xxxx EMCSCF SERVICE ERROR - R15: xxxxxxxx R0: xxxxxxxx R1: xxxxxxxx

Cause
The Dell EMC low level API program is unable to communicate with a corresponding version of Dell EMC address space.

Action
Use the appropriate version of the Dell EMC address space and rerun the job.

EQCA065E

NO SPACE AVAILABLE FOR EXTENT TRACK

Cause
The source device does not have room for an extent track.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

EQCA066E

SAVD(xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxx

or

SAVD(xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxx

Cause
A syscall (xxxx.xx.xx) returned unexpected data during a call. The data includes an invalid return code.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. See also DOIO error codes in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide.
EQCA067E

SQTD(xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxx

or

SQTD(xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxx

Cause
A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

EQCA068E

SRDS(xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxx

or

SRDS(xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxx

Cause
A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

EQCA069E

SGST(xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxx
or

SGST(xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxxx

**Cause**
A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

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**EQCA070E**

SRVS(xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxxx

or

SRVS(xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxxx

**Cause**
A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

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**EQCA073E**

SQTV(xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxxx

or

SQTV(xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxxx

**Cause**
A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.
Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

EQCA076E

INTERNAL COPY ERROR, R15=xxxxxxxxx R0=xxxxxxxxx R1=xxxxxxxxx

Cause
An error occurred while using the internal track copy routine.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

EQCA077E

INTERNAL PING ERROR, R15=xxxxxxxxx R0=xxxxxxxxx R1=xxxxxxxxx

Cause
An error occurred while using the internal track resolve routine.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

EQCA080E

SGMM(xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxxx

or

SGMM(xxxx.xx.xx) BAD RC, I/O FAILED, DOIO RC xxxxxxxxx

Cause
A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.
**Action**

Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

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**EQCA081E**

RETR(GETLOCK) DEVICE LOCK NOT HELD

**Cause**

When reading the extent track, the lock must be held. We detected that the lock was not held.

**Action**

Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

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**EQCA082E**

RESTORE TO RAID10 DEVICE REQUIRES PATCH ppppp, CONTROLLER# nnnnnnn-nnnnnnn DEVICES srcvol, tgtvol ARE NOT APPROPRIATE FOR VIRTUAL RESTORE

**Cause**

A restore from a virtual device to a RAID 1/0 device was requested. But this feature requires an operating environment fix.

**Action**

Contact the Dell EMC Customer Support Center to have the operating environment fix applied.

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**EQCA083E**

SRVD(xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxxx

or

SRVD(xxxx.xx.xx) BAD RC, I/O FAILED, DOIO RC xxxxxxxxx

**Cause**

A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.
Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

EQCA084E

SQSD(xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxx
or
SQSD(xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxx

Cause
A syscall (xxxx.xx.xx) returned unexpected data during a call.

or
A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

EQCA085E

SQTR(xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxx
or
SQTR(xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxx

Cause
A syscall (xxxx.xx.xx) returned unexpected data during a call.

or
A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.
**EQCA086E**

SRSS(xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxx

or

SRSS(xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxx

**Cause**
A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

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**EQCA087E**

SGSX(xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxx

or

SGSX(xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxx

**Cause**
A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

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**EQCA088E**

EMCSAI BCVQUERY BAD RC, R15=xxx R0=xxx R1=xxx EMCRC=xxx EMCRS=xxx

**Cause**
An I/O error occurred while attempting to obtain BCV device status information.
**EQCA089E**

**SRVB(xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxxx**

or

**SRVB(xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxxx**

**Cause**

A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

**Action**

Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

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**EQCA090E**

**SRDE(xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxxx**

or

**SRDE(xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxxx**

**Cause**

A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

**Action**

Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.
EQCA091E

SAFD(xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxx

or

SAFD(xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxx

Cause
A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

EQCA092E

SRVK(xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxx

or

SRVK(xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxx

Cause
A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

EQCA093E

EVDL(xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxx
or

EVDL(xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxxx

Cause
A syscall (xxxx.xx.xx) returned unexpected data during a call.
or
A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

EQCA094AI

ECA NOT SUPPORTED ON MICROCODE LEVEL xxxxx CONTROLLER# nnnnnnnn-nnnnn

Cause
An operation is being performed that requires ECA. However, the current operating environment level does not support ECA.

Action
Contact the Dell EMC Customer Support Center for technical assistance.

EQCA094BI

ECA ON MICROCODE LEVEL xxxxx REQUIRES PATCH xxxxx, CONTROLLER# nnnnnnnn-nnnnn

Cause
An operation is being performed that requires ECA. The current operating environment level does not support ECA until the required fixes are applied.

Action
Contact the Dell EMC Customer Support Center to have the operating environment fix applied.

EQCA094CI

ECA WITH RAID10 ON MICROCODE LEVEL xxxxx REQUIRES PATCH xxxxx, CONTROLLER# nnnnnnnn-nnnnn

Cause
An operation is being performed that requires ECA. However, the devices are RAID 10 and additional operating environment fixes are required.
**Action**
Contact the Dell EMC Customer Support Center to have the operating environment fix applied.

**EQCA096E**

CMWS I/O, FAILED, RC value RS value CMWT I/O, FAILED, RC value RS value

**Cause**
An I/O error was detected when attempting to check the Dell EMC FASTMIRROR device lock.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**EQCA097E**

CMWS DEVICE IN USE BY ANOTHER PROCESS

**Cause**
The device is protected by another Dell EMC process. Dell EMC Fast Mirror and Dell EMC Compatible Flash are possibilities.

**Action**
correct the action to use different devices. Devices protected by other Dell EMC processes may not be used with TimeFinder.

**EQCA098E**

SQLD(xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxx

or

SQLD(xxxx.xx.xx) I/O FAILED, DOI0 RC xxxxxxxx

**Cause**
A syscall (xxxx.xx.xx) returned unexpected data during a call.
or
A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.
**EQCA099E**

UNABLE TO RESTORE, OTHER SESSIONS EXIST AT THE SOURCE DEVICE

**Cause**
An attempt is being made to restore a virtual device back to the original source device, but the source device contains other active sessions.

**Action**
Either cleanup and remove all other TimeFinder and virtual sessions prior to performing the restore or restore to another device.

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**EQCA100I**

ADLK RETRY EXHAUSTED, NO CHANGE, STEALING DEVICE LOCK RETR(GETLOCK)
RETRY EXHAUSTED, NO CHANGE, STEALING DEVICE LOCK AIDL STEALING DEVICE LOCK, MORE THAN 22 MINUTES OLD ASLK STEALING DEVICE LOCK, MORE THAN 22 MINUTES OLD

**Cause**
Repeated attempts to acquire the device lock have failed. The lock will be overridden.

**Action**
None.

---

**EQCA101E**

UNABLE TO ESTABLISH, RESTORE SESSIONS EXIST AT THE SOURCE DEVICE

**Cause**
An attempt is being made to either:

- Create a new virtual device.
- Begin a snap. The source device contains an active restore session.

**Action**
You must wait for the restore to complete and then perform a cleanup operation on the source device.

---

**EQCA104E**

COVD DEVICE ccuu - volser IS NOT SUPPORTED

**Cause**
An operation was attempted on an internal COVD device. COVD stands for Cache Only Virtual Device. CODVs are diskless, cache-only devices, including virtual devices and thin devices.

**Action**
Choose another device.
EQCA105E

SCPS(\texttt{xxxx.xx.xx}) BAD RC, 3E DATA \texttt{xxxxxxxxx}

or

SCPS(\texttt{xxxx.xx.xx}) I/O FAILED, DOIO RC \texttt{xxxxxxxxx}

\textbf{Cause}

A syscall (\texttt{xxxx.xx.xx}) returned unexpected data during a call.

or

A syscall (\texttt{xxxx.xx.xx}) I/O failed with the indicated return code.

\textbf{Action}

Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

EQCA106E

SRPV(\texttt{xxxx.xx.xx}) BAD RC, 3E DATA \texttt{xxxxxxxxx}

or

SRPV(\texttt{xxxx.xx.xx}) I/O FAILED, DOIO RC \texttt{xxxxxxxxx}

\textbf{Cause}

A syscall (\texttt{xxxx.xx.xx}) returned unexpected data during a call.

or

A syscall (\texttt{xxxx.xx.xx}) I/O failed with the indicated return code.

\textbf{Action}

Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

EQCA107E

SQSR(\texttt{xxxx.xx.xx}) BAD RC, 3E DATA \texttt{xxxxxxxxx}
or

SQSR(\texttt{xxxx.xx.xx}) I/O FAILED, DOIO RC \texttt{xxxxxxxxx}

\textbf{Cause}

A syscall (\texttt{xxxx.xx.xx}) returned unexpected data during a call.

or

A syscall (\texttt{xxxx.xx.xx}) I/O failed with the indicated return code.

\textbf{Action}

Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

\section*{EQCA109E}

SRPB(\texttt{xxxx.xx.xx}) BAD RC, 3E DATA \texttt{xxxxxxxxx}

or

SRPB(\texttt{xxxx.xx.xx}) I/O FAILED, DOIO RC \texttt{xxxxxxxxx}

\textbf{Cause}

A syscall (\texttt{xxxx.xx.xx}) returned unexpected data during a call.

or

A syscall (\texttt{xxxx.xx.xx}) I/O failed with the indicated return code.

\textbf{Action}

Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

\section*{EQCA110E}

TARGET DEVICE HAS VIRTUAL DEVICE ATTACHED

\textbf{Cause}

A TimeFinder request targets a device that has a virtual device (VDEV) attached.

\textbf{Action}

Either choose another target device or add a DATAMOVER parameter and it will be used to copy the dataset/volume.
EQCA111E

ORIGINAL STANDARD DEVICE HAS ACTIVE PERSISTENT RESTORE SESSION

**Cause**
An attempt is being made to restore a virtual device back to the original source device, but the source device contains other active sessions.

**Action**
Either cleanup and remove all other TimeFinder and virtual sessions prior to performing the restore or restore to another device.

EQCA112E

RTET I/O FAILED, DOIO RC xx

**Cause**
An I/O failed while trying to read the target extent track, with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

EQCA113E

WTET(PUT) I/O FAILED, DOIO RC xx

**Cause**
An I/O failed while trying to write the target extents track, with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

EQCA114E

SSCM(xxxx.xx.xx) BAD RC; 3E DATA xxxxxx
or

SSCM(xxxx.xx.xx) I/O FAILED, DOIO RC xx

**Cause**
A syscall (xxxx.xx.xx) returned unexpected data during a call to change the copy mode.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

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**EQCA115E**

SCCS(xxxx.xx.xx) BAD RC, 3E DATA xxxxxx yyyy

or

SCCS(xxxx.xx.xx) I/O FAILED, DOIO RC xx

**Cause**
A syscall (xxxx.xx.xx) returned unexpected data during a call to create a clone session.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

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**EQCA116E**

SECL(xxxx.xx.xx) BAD RC, 3E DATA xxxxxx

or

SECL(xxxx.xx.xx) I/O FAILED, DOIO RC xx

**Cause**
A syscall (xxxx.xx.xx) returned unexpected data during a call to establish a clone session.

or
A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

**Action**

Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA117E**

**Clone Feature Requires 5X71 Code or Higher**

**Cause**

A request has been made for a clone on a storage system that is not running the appropriate operating environment level to support clones.

**Action**

Try the request against a proper storage system, or have the operating environment upgraded to support the clone feature.

**EQCA119E**

**Device nnnn Failed To Go NotReady, RC: xx R0: xx R1: xx**

**Cause**

An attempt was made to make a clone device not ready and the request failed.

**Action**

Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**EQCA120E**

**Device nnnn Failed To Go Ready, RC: xx R0: xx R1: xx**

**Cause**

An attempt was made to make a clone device ready and the request failed.

**Action**

Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
EQCA121E

UNABLE TO DETERMINE CLONE SESSION FOR DEVICES mmmm-nnnn

Cause
A split request failed because the clone session could not be determined for the device pair.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

EQCA124E

UNABLE TO RE-ESTABLISH CLONE SESSION FOR DEVICES nnnn-mmmm, SPLIT NOT COMPLETE

Cause
An attempt to re-establish a device pair failed because the background split has not completed.

Action
Wait a bit and try the request again. After the split has completed, the re-establish should work.

EQCA125E

DEVICE nnnn FAILED TO BE RELEASED, RC: xx R0: xx R1: xx

Cause
An attempt was made to release the hold on a clone device and the request failed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

EQCA126E

EMCSAI SYMDEVICE BAD RC, R15=xx R0=xx R1=xx EMCRC=xx EMCRS=xx

Cause
An error was detected when requesting SYMDEVICE API information.
Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

EQCA127E
UNABLE TO DETERMINE REMOTE DA FOR SYSCALL EXECUTION -xx-xx-xx-

Cause
Unable to determine the remote DA to be used for syscall execution.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

EQCA128E
UNABLE TO DETERMINE REMOTE DA FOR SYSCALL EXECUTION -xx-xx-xx-

Cause
Unable to determine the remote DA to be used for syscall execution.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

EQCA130E
UNABLE TO DETERMINE REMOTE DA FOR SYSCALL EXECUTION

Cause
Unable to determine a valid DA for a remote syscall request.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
**EQCA131E**

SQLP(yyyy.yyy.yyy) BAD RC, 3E DATA xxxxxxx

or

SQLP(yyyy.yyy.yyy) BAD RC, I/O FAILED, DOIO RC xx

**Cause**
A syscall (yyyy.yyy.yyy) returned unexpected data during a call to query logpools.

or

A syscall (yyyy.yyy.yyy) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA132E**

SQDV(yyyy.yyy.yyy) BAD RC, 3E DATA xxxxxxx

or

SQDV(yyyy.yyy.yyy) I/O FAILED, DOIO RC xx

**Cause**
A syscall (yyyy.yyy.yyy) returned unexpected data during a call to query logpool devices.

or

A syscall (yyyy.yyy.yyy) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA133E**

SCLP(yyyy.yyy.yyy) BAD RC, 3E DATA xxxxxxx
or

SCLP(xxxx.xx.xx) I/O FAILED, DOIO RC xx

Cause
A syscall (xxxx.xx.xx) returned unexpected data during a call to create a logpool.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

EQCA134E

or

SDLP(xxxx.xx.xx) BAD RC, 3E DATA xxxxxx

or

SDLP(xxxx.xx.xx) I/O FAILED, DOIO RC xx

Cause
A syscall (xxxx.xx.xx) returned unexpected data during a call to delete a logpool.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

EQCA135E

or

SZLP(xxxx.xx.xx) BAD RC, 3E DATA xxxxxx

or

SZLP(xxxx.xx.xx) I/O FAILED, DOIO RC xx

Cause
A syscall (xxxx.xx.xx) returned unexpected data during a call to change a logpool status.

or
A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

EQCA136E

SLAD(xxxx.xx.xx) BAD RC, 3E DATA xxxxxx

or

SLAD(xxxx.xx.xx) I/O FAILED, DOIO RC xx

Cause
A syscall (xxxx.xx.xx) returned unexpected data during a call to add a device to a logpool.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

EQCA137E

SLRD(xxxx.xx.xx) BAD RC, 3E DATA xxxxxx

or

SLRD(xxxx.xx.xx) I/O FAILED, DOIO RC xx

Cause
A syscall (xxxx.xx.xx) returned unexpected data during a call remove a device from a logpool.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.
available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers
TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA138E**

<table>
<thead>
<tr>
<th>SLCD(xxxx.xx.xx) BAD RC, 3E DATA xxxxxx</th>
</tr>
</thead>
<tbody>
<tr>
<td>or</td>
</tr>
<tr>
<td>SLCD(xxxx.xx.xx) I/O FAILED, DOIO RC xx</td>
</tr>
</tbody>
</table>

**Cause**
A syscall (xxxx.xx.xx) returned unexpected data during a call change the state of a
device in a logpool.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for
applicable solutions relating to this message ID. If you cannot determine and correct
the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

“Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/
Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA139E**

<table>
<thead>
<tr>
<th>POOL NAME SPECIFIED xxxxxxxxxxxxx IS NOT DEFINED IN THIS SYMMETRIX</th>
</tr>
</thead>
</table>

**Cause**
Internal API received a pool name that was not defined.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for
applicable solutions relating to this message ID. If you cannot determine and correct
the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

**EQCA142E**

<table>
<thead>
<tr>
<th>LOGPOOL FEATURE REQUIRES 5X71 CODE OR HIGHER</th>
</tr>
</thead>
</table>

**Cause**
A request has been made for a logpool on a storage system that is not running the
appropriate operating environment level to support logpools.

**Action**
Try the request against a proper storage system, or have the operating environment
upgraded to support the logpool feature.
EQCA143E

OSL ERROR OBTAINING LOGPOOL SELLOCK, RC=xxxxxxxx

Cause
An error occurred while attempting to obtain the log pool lock.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

EQCA144E

XTAPF6AS AND XTAPF6SR MISMATCH

Cause
API parameter error.

Action
Correct the parameter values.

EQCA145E

XTAPF6SR SET FOR DEVICE THAT IS NOT R2

Cause
API parameter error.

Action
Correct the parameter values.

EQCA146E

XTAPF6SR SET, XTAPR1UC EMPTY

or

XTAPF6SR SET, XTAPR1SD EMPTY

or

XTAPF6SR SET, XTAPR1FC EMPTY

Cause
API parameter error.
**EQCA147E**

**ERROR ENCOUNTERED WHILE SUSPENDING SNOW GROUP**

**Cause**
An error was encountered while attempting to suspend the SRDF/A (snow) groups.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

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**EQCA148E**

**ERROR ENCOUNTERED WHILE RESUMING SNOW GROUP**

**Cause**
An error was encountered while attempting to resume the SRDF/A (snow) groups.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

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**EQCA149E**

**WAIT 20 MINUTES FOR B/G COPY TO COMPLETE ON DEVICE dev# SESSION sess-id**

or

**WAIT 20 MINUTES FOR B/G COPY TO COMPLETE FOR MULTI DEVICE LIST**

**Cause**
In order to proceed, the background copy must complete. After waiting 20 minutes, it still had not completed.

**Action**
Run QUERY VOLUMES report and check the status of the indicated device. After the number of protected tracks has dropped to zero, rerun the job.
EQCA152E

SESSION PENDING ACTIVATE NOT FOUND nnnnnnn-nnnn

**Cause**
An activate is being attempted. All source devices must have a session that has been established but not activated. At least one source device did not have a session pending activate present.

**Action**
CLEANUP all of the source volumes and RERUN the PRESNAP and ACTIVATE.

EQCA155E

PERSISTENT RESTORE REQUIRED FOR MICROCODE LEVELS >= 5X72

**Cause**
An attempt to perform a restore (not persistent) from a VDEV was attempted. The operating environment level is 5772 or later and does not support the non-persistent restore.

**Action**
Rerun the restore with PERSISTENT(YES). After the restore is complete, you may STOP SNAP to the VDEV in order to remove the VDEV session (which would have occurred automatically with PERSISTENT(NO)).

EQCA156E

TARGET DEVICE HAS TF/CLONE EMULATION SESSION

**Cause**
The target device is a member of a TF/Mirror, Clone Emulation session.

**Action**
Either choose another device or terminate the Clone Emulation session and try again.

EQCA157E

TARGET DEVICE HAS FLASHCOPY SESSION

**Cause**
The target device has a FlashCopy session active.

**Action**
Either choose another device or wait for the FlashCopy session to terminate (or use FlashCopy Withdraw) and try again.
EQCA158E
UNABLE TO PROCEED, SOURCE DEVICE IS AN ACTIVE CLONE EMULATION BCV

Cause
The source device is a member of a TimeFinder/Mirror, Clone Emulation session.

Action
Either choose another device or terminate the Clone Emulation session and try again.

EQCA159E
UNABLE TO ESTABLISH, TARGET DEVICE IS AN ACTIVE CLONE EMULATION BCV

Cause
The target device is a member of a TimeFinder/Mirror Clone Emulation session.

Action
Either choose another device or terminate the Clone Emulation session and try again.

EQCA165I
UNABLE TO FIND VIRTUAL SESSION FOR RESTORE

Cause
A RESTORE VDEV was requested. But the VDEV does not appear to be active with a session.

Action
Either choose another VDEV device to be restored or recreate the VDEV desired.

EQCA166E
SLDD(xxxx.xx.xx) BAD RC, 3E DATA xxxxxx

or

SLDD(xxxx.xx.xx) I/O FAILED, DOIO RC nn

Cause
A syscall (xxxx.xx.xx) returned unexpected data during a call to drain or undrain a device in a logpool.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct
the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA167E**

LOG POOL FEATURE REQUIRES 5X72 CODE OR HIGHER

**Cause**
A CONFIGPOOL DRAIN or CONFIGPOOL UNDRAIN request has been attempted on a device that is not running Enginuity 5772 or a later level of the operating environment.

**Action**
The CONFIGPOOL DRAIN or CONFIGPOOL UNDRAIN commands are not supported on earlier levels of the operating environment.

**EQCA168E**

SCDI(****.xx.xx) BAD RC, 3E DATA xxxxxx

or

SCDI(****.xx.xx) I/O FAILED, DOIO RC nn

**Cause**
A syscall (****.xx.xx) returned unexpected data during a call to check the indirect status of a device.

or

A syscall (****.xx.xx) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA169E**

AIDL FAILED, RC 'xx

**Cause**
Unable to acquire indirect device lock.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**EQCA170E**

EMCSAI SDDFGETB BAD RC, R15=xxxxxxxx R0=xxxxxxxx R1=xxxxxxxx
EMCRC=xxxxxxxx EMCRS=xxxxxxxxx EMCRCX: xxxxxxxxx

**Cause**
An error occurred while obtaining the SDDF bit map.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

**EQCA171E**

RESTORE DEVICE IS ALREADY A TARGET DEVICE

**Cause**
The restore operation is targeting a device that is already a target device.

**Action**
Either use STOP SNAP to clear the device and make it available or choose another target device.

**EQCA172E**

Format 1:
TARGET DEVICE HAS EXTENT LEVEL INDIRECT TRACKS

Format 2:
(SEDV) TARGET DEVICE HAS EXTENT LEVEL INDIRECT TRACKS

Format 3:
(SEMD) TARGET DEVICE HAS EXTENT LEVEL INDIRECT TRACKS

Format 4:
(SENF) TARGET DEVICE HAS EXTENT LEVEL INDIRECT TRACKS

Format 5:
(UINT) TARGET DEVICE HAS EXTENT LEVEL INDIRECT TRACKS

**Cause**
An establish was attempted and the target device has some extent level indirect tracks that cannot be automatically cleaned up.
**EQCA173E**

**Action**
The extent level indirect tracks must be cleaned up before the establish can occur. This cleanup must be run from a LPAR that is locally channel attached to the device. The CLEANUP statement must be run using either the UNIT or the VOLSER parameter. It will not correct the problem if the SYMDV# parameter is used.

**Cause**
An attempt to drain a log device failed because the device has some protected tracks on it.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

**EQCA174E**

**Cause**
A syscall (xxxx.xx.xx) returned unexpected data during a call to perform a single restore or a single split star.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

“Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA175E**

**Cause**
RC=04, INVALID LOG POOL

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

“Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.
Cause
An attempt to create a VDEV failed because an invalid log pool was specified.

Action
Correct the log pool and try again.

EQCA176W

REQUEST NOT SUPPORTED WITH NATIVE EXTENTS

Cause
A request to format the extent track was attempted on a device that is using native extents.

Action
Do not run a DESTROY statement against a device that is using native extents.

EQCA177E

SOURCE DEVICE (xxxx) RACF PROTECTED

Cause
An RACF security rule has been defined to protect this source device. This user does not have READ access authority to the device.

Action
Either contact the security administrator to obtain read access authority to the device or choose another source device.

EQCA178E

TARGET DEVICE (xxxx) RACF PROTECTED

Cause
An RACF security rule has been defined to protect this target device. This user does not have UPDATE access authority to the device.

Action
Either contact the security administrator to obtain update access authority to the device or choose another target device.

EQCA179E

TDEV DEVICE ccuu-volser IS NOT SUPPORTED

Cause
A TDEV device was specified, it is not supported.

Action
Choose another device.
EQCA180E

(SENF) I/O ERROR ESTABLISHING FLASHCOPY EXTENTS - xxxxxxxxx

Cause
The FlashCopy Establish failed with the indicated return code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

EQCA181E

(SWNF) I/O ERROR WITHDRAWING FLASHCOPY EXTENTS - xxxxxxxxx

Cause
The FlashCopy Withdraw failed with the indicated return code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

EQCA182E

SGEP(xxxx.xx.xx) EXTENT POINTER SET, INTERNAL FLAG SET TOO

Cause
An indication that both external and internal extent are being used at the same time.

Action
This condition should not be able to occur. Contact Dell EMC Customer Support.

EQCA183E

Format 1:
SECL(xxxx.xx.xx) ESTABLISH FAILED MULTIPLE TIMES WITH RC=0X6D

Format 2:
SEDV(xxxx.xx.xx) ESTABLISH FAILED MULTIPLE TIMES WITH RC=0X6D
Format 3:

(SEMD(\xxxx.xx.xx) ESTABLISH FAILED MULTIPLE TIMES WITH RC=0X6D)

Format 4:

(SENX(\xxxx.xx.xx) ESTABLISH FAILED MULTIPLE TIMES WITH RC=0X6D)

**Cause**
The target extent overlaps an existing target extent. The existing target extent is native extents. An attempt to resolve the issue has failed.

**Action**
Wait and try the request again. If the problem persists, contact Dell EMC Customer Support.

EQCA185E

(SAMD(\xxxx.xx.xx) BAD RC, 3E DATA xxxxxx)

or

(SAMD(\xxxx.xx.xx) I/O FAILED, DOIO RC nn)

**Cause**
A syscall (\xxxx.xx.xx) returned unexpected data during a call to activate a full device clone or clone emulation session.

or

A syscall (\xxxx.xx.xx) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

EQCA186E

(SEMD(\xxxx.xx.xx) BAD RC, 3E DATA xxxxxx)

or

(SEMD(\xxxx.xx.xx) I/O FAILED, DOIO RC nn)

**Cause**
A syscall (\xxxx.xx.xx) returned unexpected data during a call to establish a full device clone or clone emulation session.

or

A syscall (\xxxx.xx.xx) I/O failed with the indicated return code.
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA187E**

**SGMD(****.****.****) BAD RC, 3E DATA *********

or

**SGMD(****.****.****) I/O FAILED, DOIO RC nn**

**Cause**

A syscall (**.****.****) returned unexpected data during a call to query session information.

or

A syscall (**.****.****) I/O failed with the indicated return code.

**EQCA188E**

**SRMD(****.****.****) BAD RC, 3E DATA *********

or

**SRMD(****.****.****) I/O FAILED, DOIO RC nn**

**Cause**

A syscall (**.****.****) returned unexpected data during a call to restore a clone or clone emulation session.

or

A syscall (**.****.****) I/O failed with the indicated return code.
**EQCA189E**

SSMD(yyyy.xx.xx) BAD RC, 3E DATA xxxxx

or

SSMD(yyyy.xx.xx) I/O FAILED, DOIO RC nn

**Cause**
A syscall (yyyy.xx.xx) returned unexpected data during a call to split a clone emulation session.

or

A syscall (yyyy.xx.xx) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation. "Symmetrix interface error codes" in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA190E**

STMD(yyyy.xx.xx) BAD RC, 3E DATA xxxxx

or

STMD(yyyy.xx.xx) I/O FAILED, DOIO RC nn

**Cause**
A syscall (yyyy.xx.xx) returned unexpected data during a call to terminate a clone or clone emulation session.

or

A syscall (yyyy.xx.xx) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation. "Symmetrix interface error codes" in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA191E**

SRVR(yyyy.xx.xx) BAD RC, 3E DATA xxxxx
or

SRVR(****.xx.xx) I/O FAILED, DOIO RC nn

**Cause**
A syscall (****.xx.xx) returned unexpected data during a call to reestablish a virtual device session.

or

A syscall (****.xx.xx) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

---

**EQCA192E**

SCMD(****.xx.xx) BAD RC, 3E DATA xxxxxx

or

SCMD(****.xx.xx) I/O FAILED, DOIO RC nn

**Cause**
A syscall (****.xx.xx) returned unexpected data during a call to set the copy mode for a clone or clone emulation session.

or

A syscall (****.xx.xx) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

---

**EQCA193E**

DISKLESS DEVICE ccuu-volser IS NOT SUPPORTED

**Cause**
A request has been made to a diskless device for an operation that is not allowed.

**Action**
Correct the request to use a more appropriate device for the operation desired.
EQCA194E

VDEV DOES NOT SUPPORT THIS TYPE OF REQUEST

**Cause**
A request has been made to a VDEV that is not allowed. An example might be attempting to use a VDEV as a gatekeeper device.

**Action**
Correct the request and ensure that a VDEV is not being used as a gatekeeper device.

EQCA197E

(SAMD) A SOURCE DEVICE HAS INDIRECTS AND CANNOT BE ACTIVATED

**Cause**
An activate operation failed because a source device has indirects.

**Action**
Wait until all source devices have completed the copy operations that they are part of. Then, retry the request.

EQCA197I

UNABLE TO FIND VIRTUAL SESSION TO RESTORE

**Cause**
A request to restore a virtual device failed because the virtual device session cannot be found.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

EQCA198E

SCMV(814F-0D) BAD RC, 3E DATA xxxxxx

or

SCMV(814F-0D) I/O FAILED, DOIO RC nn

**Cause**
A syscall (814F) returned unexpected data during a call to create a multi-virtual device session.

or
A syscall (814F) I/O failed with the indicated return code.

**Action**

Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA198I**

PERSISTENT RESTORE REQUIRES PATCH xxxxx, CONTROLLER# nnnn-nnnnn

**Cause**

A persistent restore has been requested, but the operating environment support is not present.

**Action**

Contact the Dell EMC Customer Support Center to have the operating environment fix applied.

**EQCA199S**

ABEND xxxx OCCURRED

**Cause**

An internal abend occurred.

**Action**

Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**EQCA200E**

SEMV(814F-0E) BAD RC, 3E DATA xxxxxxx

or

SEMV(814F-0E) I/O FAILED, DOIO RC nn

**Cause**

A syscall (814F) returned unexpected data during a call to establish a multi-virtual device session.

or

A syscall (814F) I/O failed with the indicated return code.
**EQCA201E**

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA202E**

**Cause**
A syscall (814F) returned unexpected data during a call to activate a multi-virtual device session.

**EQCA205E**

**Cause**
An establish operation failed because the number of cascading clone devices has been exceeded.

**Action**
Refer to the product manual for a description of cascading clone. At this time, no more than three devices may be involved in a cascading clone relationship. In order to create this new relationship, one of the cascading sessions involving these devices must be terminated.
**Cause**
An error occurred while obtain RAID 5/6 device information.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

---

**EQCA207E**

SRMD(9242.83) BAD RC, 3E DATA xxxxxx RESTORE OVER DEVICE HAS OTHER SESSIONS WHICH MUST BE REMOVED

**Cause**
A syscall (9242) returned unexpected data during a call to restore a device over another device. It indicates that sessions exist on the target device which must be removed before the restore can proceed.

**Action**
Examine the sessions on the target device and remove them.

---

**EQCA208E**

NO REMOTE ADAPTER AVAILABLE FOR OPERATION

**Cause**
A Mainframe or Open Host adapter at a remote site is required for processing, but no adapters are available.

**Action**
An adapter must be defined to the remote site.

---

**EQCA209E**

SREM(9242.A6) BAD RC, 3E DATA xxxxxx

or

SREM(9242.A6) I/O FAILED, DOIO RC xx

**Cause**
A syscall (9242.A6) returned unexpected data during a call to reestablish a virtual device.

or

A syscall (9242.A6) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct
the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA210E**

<table>
<thead>
<tr>
<th>SSSMV(9242.A7) BAD RC, 3E DATA xxxxx</th>
</tr>
</thead>
</table>

or

<table>
<thead>
<tr>
<th>SSSMV(9242.A7) I/O FAILED, DOIO RC xx</th>
</tr>
</thead>
</table>

**Cause**
A syscall (9242.A7) returned unexpected data during a call to copy a virtual device.
or
A syscall (9242.A7) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA211E**

<table>
<thead>
<tr>
<th>SANX(9245.84.00) BAD RC, 3E DATA xxxxx</th>
</tr>
</thead>
</table>

or

<table>
<thead>
<tr>
<th>SANX(9245.84.00) I/O FAILED, DOIO RC xx</th>
</tr>
</thead>
</table>

**Cause**
A syscall (9245.84) returned unexpected data during a call to activate native extents.
or
A syscall (9242.84) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.
**EQCA212E**

STMY(9242.A3) BAD RC, 3E DATA xxxxxx

or

STMY(9242.A3) I/O FAILED, DOIO RC xx

**Cause**

A syscall (9242.A3) returned unexpected data during a call to terminate virtual devices.

or

A syscall (9242.A3) I/O failed with the indicated return code.

**Action**

Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA213E**

SAMY(9242.A2) BAD RC, 3E DATA xxxxxx

or

SAMY(9242.A2) I/O FAILED, DOIO RC xx

**Cause**

A syscall (9242.A2) returned unexpected data during a call to activate virtual devices.

or

A syscall (9242.A2) I/O failed with the indicated return code.

**Action**

Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA214E**

SPRY(9242.A5) BAD RC, 3E DATA xxxx
SPRY(9242.A5) I/O FAILED, DOIO RC xx

**Cause**
A syscall (9242.A5) returned unexpected data during a call to perform a persistent restore of a virtual device.

or

A syscall (9242.A5) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

EQCA215E

SEMY(9242.A1) BAD RC, 3E DATA xxxxxxx

or

SEMY(9242.A1) I/O FAILED, DOIO RC xx

**Cause**
A syscall (9242.A1) returned unexpected data during a call to establish virtual devices.

or

A syscall (9242.A1) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

EQCA216E

REQUIRED PARALLEL CLONE FIX 52576 IS MISSING

**Cause**
The storage system is missing a required operating environment fix (# 52576).

**Action**
Contact Dell EMC Customer Support to have fix #52576 installed on the storage system.
EQCA217E

SOURCE VDEV NOT ESTABLISHED

Cause
An attempt has been made to copy a source virtual device to another device. The source virtual device has not been established.

Action
Choose another device or establish the source virtual device.

EQCA218E

GQCV(0191.01.01) BAD RC, 3E DATA xxxxxx

or

GQCV(0191.01.01) I/O FAILED, DOIO RC xx

Cause
A syscall (0191.01.01) returned unexpected data during a call to obtain quick-config information.

or

A syscall (0191.01.01) I/O failed with the indicated return code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

EQCA219E

Format 1:

SWND(9245.92.00) BAD RC, 3E DATA xxxxxx
SWNX(9245.92.00) BAD RC, 3E DATA xxxxxx

Format 2:

SWND(9245.92.00) I/O FAILED, DOIO RC xx
SWNX(9245.92.00) I/O FAILED, DOIO RC xx

Cause
Format 1: A syscall (9245.92.00) returned unexpected data during a call to withdraw native extents.

Format 2: A syscall (9245.92.00) I/O failed with the indicated return code.
Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

EQCA220E

Format 1:

SCNX(9245.83.00) BAD RC, 3E DATA xxxxxx

Format 2:

SCNX(9245.83.00) I/O FAILED, DOIO RC xx

Cause
Format 1: A syscall (9245.83.00) returned unexpected data during a call to perform native extent cleanup.
Format 2: A syscall (9245.83.00) I/O failed with the indicated return code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

EQCA300E

ERROR RETURNED FROM LOOKUP SYSCALL, DATA3E=xxxxxx

Cause
The snapshot name passed into the command was not found when a LOOKUP syscall was issued.

Action
Take one or more of the following actions:
• Ensure the snapshot name was correctly entered.
• Ensure that the source device is correctly specified.
• Issue a QUERY SNAPSHOT command on the source device to verify the snapshot exists and the snapshot name matches the name from the failing command.

EQCA301E

ERROR RETURNED FROM CREATE SYSCALL, DATA3E=xxxxxx

Cause
A syscall to create a new snapshot failed and the snapshot was not created.
**EQCA302E**

**ERROR RETURNED FROM ACTIVATE SYSCALL, DATA3E=xxxxxx**

**Cause**
A syscall to activate a snapshot has failed.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA303E**

**ERROR RETURNED FROM LINK SYSCALL, DATA3E=xxxxxx**

**Cause**
A syscall to link a snapshot has failed.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA304E**

**ERROR RETURNED FROM UNLINK SYSCALL, DATA3E=xxxxxx**

**Cause**
A syscall to unlink a snapshot has failed.

**Action**
Take one or more of the following actions;
- Ensure that the snapshot intended to be unlinked is linked and has the correct snapshot name and source device specified
- Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.
correct the problem, contact the Dell EMC Customer Support Center for assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**EQCA305E**

<table>
<thead>
<tr>
<th>Error Message</th>
<th>EQCA305E</th>
<th>Message</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ERROR RETURNED FROM TERMINATE SYSCALL, DATA3E=xxxxxx</td>
<td></td>
</tr>
<tr>
<td>Cause</td>
<td>A syscall to terminate a snapshot has failed.</td>
<td></td>
</tr>
<tr>
<td>Action</td>
<td>Take one or more of the following actions:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Ensure the snapshot name and source device have been correctly specified.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Ensure the specified snapshot is not in the LINKED state.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.</td>
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</table>

**EQCA306E**

<table>
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<th>Error Message</th>
<th>EQCA306E</th>
<th>Message</th>
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<tbody>
<tr>
<td></td>
<td>ERROR RETURNED FROM RENAME SYSCALL, DATA3E=xxxxxx</td>
<td></td>
</tr>
<tr>
<td>Cause</td>
<td>A syscall to rename a snapshot has failed.</td>
<td></td>
</tr>
<tr>
<td>Action</td>
<td>Take one or more of the following actions:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Ensure that the snapshot name and source device have been correctly specified</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.</td>
<td></td>
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</table>

**EQCA307E**

<table>
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<tr>
<th>Error Message</th>
<th>EQCA307E</th>
<th>Message</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ERROR RETURNED FROM HARDLINK SYSCALL, DATA3E=xxxxxx</td>
<td></td>
</tr>
<tr>
<td>Cause</td>
<td>A syscall to create a hardlink between a source and target device has failed.</td>
<td></td>
</tr>
</tbody>
</table>
**EQCA309E**

**ERROR RETURNED FROM QUERY SYSCALL, DATA3E=nnnnnn**

**Cause**
While attempting to issue a snapshot query, an error was returned from the syscall that disallowed us to complete the request.

**Action**
As a workaround, try to query a subset of the original device or CUU range.

Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**EQCA310E**

**NO SNAPSHOTS FOUND FOR PROCESSING ON DEV#: xxxx**

**Cause**
A LOOKUP syscall was issued to gather information about a snapshot for processing, but the LOOKUP did not find any snapshots with the specified name on the source device.

**Action**
Take one or more of the following actions:

- Issue a QUERY SNAPSHOT command to ensure the source device has a snapshot with the name specified.
- Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA311E**

**SNAPVX FEATURE REQUIRES 5X77 CODE OR HIGHER**
**Cause**
The SnapVX command was issued to a storage system with an operating environment level earlier than 5x77.

**Action**
Run the commands on a storage system with operating environment level 5x77 or later.

**EQCA312E**

ERROR RETURNED FROM UPDATE EXPIRATION, DATA3E=xxxxxxxx

**Cause**
A syscall to update a snapshot expiration has failed.

**Action**
Actions include:

- Ensure that the snapshot name and source device have been correctly specified
- Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation. “Symmetrix interface error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

**EQCA313I**

LOOKUP FOUND 0 SNAPSHOTS FOR PROCESSING

**Cause**
The snapshot which name and source volume was provided by the user does not exist.

**Action**
Run a QUERY SNAPSHOT command on the source volume to ensure you have specified the snapshot name.

**EQCA314E**

ERROR, SOFT AND HARDLINKS NOT ALLOWED ON SAME DEVICE  RC=xxxxxx/xxxxxxxxx

**Cause**
The user attempted to mix hardlinks and softlinks to the same device.

**Action**
Ensure only either hardlinks or softlinks exist on the target device. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
**EQCA315E**

ERROR RETURNED FROM CREATE SYSCALL, RC=xxxx

**Cause**  
An error occurred while trying to issue the CREATE command to the storage system.

**Action**  
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

---

**EQCA317E**

THE SNAPSHOT IS NOT IN A STATE IT CAN BE UNLINKED FROM. ENSURE SNAPSHOT IS LINKED.

**Cause**  
The UNLINK command was issued against a snapshot that was not in a state that allows unlinking. Most likely the snapshot was not LINKED to at the time the UNLINK command was issued.

**Action**  
Check the state of the snapshot, ensure the snapshot is linked before trying to unlink. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

---

**EQCA318E**

SNAPSHOT SOURCE ALREADY TARGET RC=17004D/00080036

**Cause**  
An attempt was made to create a differential snapshot with a target device which is already a source of a differential snapshot and is not allowed.

**Action**  
Choose a target volume which is not already the source of a target snapshot.

---

**EQCA31DI**

MAXIMUM OF 1024 TARGETS PER SNAPSHOT EXCEEDED

**Cause**  
The maximum amount of targets for a snapshot is exceeded.
Action
UNLINK some targets or try another target device.

EQCA31EW

A SUCCESSFUL RETRY HAS BEEN ATTEMPTED DUE TO A DEVICE BEING EXPANDED

Cause
Several retries for a SNAP VOLUME or CREATE SNAPSHOT command took place because an involved device was being expanded.

Action
In case of a SNAP VOLUME command, source and target may have unequal size. Refreshing VTOC information on the target volume may be required.
In case of a CREATE SNAPSHOT command, the snapshot created for a device may have more cylinders than it originally had.

EQCA31IE

THE SECURE SNAPSHOT FEATURE IS NOT SUPPORTED, FIX 91128 IS REQUIRED

Cause
The storage system is missing a required operating environment fix (#91128).

Action
Issue the following command to check if the required fix has been installed on your system: F emcscf,DEV,CH,CoNTRoller(SymmID)patch#.
Contact Dell EMC Customer Support to have fix #91128 installed on the storage system.

EQCA31FW

ATTEMPTING TO TERMINATE A NON-EXISTING SNAPSHOT, SOURCE DEVICE: symdv#, SNAPSHOT NAME: snapshot_name

Cause
The snapshot specified in the TERMINATE command with the snapshot name or source volume does not exist.

Action
Run a QUERY SNAPSHOT command on the source volume to verify the snapshot name or source volume. Specify the correct name/volume and retry.

EQCA31KE

ATTEMPTING TO CREATE A SECURE SNAPSHOT ON THE SYMMETRIX THAT IS OUT OF SRP
**Cause**
This message appears when attempting to create a secure snapshot but the SRP is out of available capacity.

1 to 80% of SRP capacity can be reserved for host I/O (the default is 10%). If the allocated capacity percentage is higher than '100% - reserved capacity %' (default is 90%), secure snapshot creation is blocked and this message appears.

**Action**
Check the SRP using the QUERY SRP command described in the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide. Review the allocated and reserved capacity percentages. If necessary, issue the SET SRP command with the RESV_CAP parameter to lower the reserved capacity percentage.

Free any unused volumes that has allocations in this SRP using the SnapVX FREE command to free some capacity, as described in Dell EMC Mainframe Enablers TimeFinder SnapVX and zDP Product Guide.

---

**EQCA31LE**

**FREE FAILED, A REPLICATION SESSION EXISTS ON A TARGET DEVICE**

**Cause**
A command with the FREE(YES) parameter was issued against a device that has other replication sessions. FREE processing cannot proceed when a replication session is open on a target device. This is most likely due to a Thin Reclaim (TRU) SDDF session.

**Action**
Terminate all existing sessions on the device and retry.

Check the TRU device statements in all active SCF tasks ("SCF.TRU.DEV.INCLUDE.LIST=") in the SCF initialization file(s) for the inclusion of any LINKED target devices.

**Note**
To display the TRU status for a device, run the TRU DISPLAY DEVICE command. To disable TRU for a device, run the TRU STOP command. The ResourcePak Base for z/OS Product Guide describes these commands.

Re-submit the initial command with the FREE(YES) parameter after TRU is disabled for all of the target devices.

---

**EQCA31ME**

**AN OPERATION WAS ATTEMPTED WITH A DEVICE THAT IS BEING EXPANDED**

**Cause**
One of the following syscalls failed because an involved device is being expanded:

- Create hardlink
- Create snapshot
- Establish native extents
Action
Wait for the Dynamic Volume Expansion operation to complete and rerun the job.

EQCA320I

DEVICE dev# IS NOT A TARGET

Cause
A CONFIG command with the MODE parameter was issued, but the specified target device is not linked (not a valid target).

Action
Check the device range specified for the CONFIG command and retry.

EQCA322E

FREE IS IN PROGRESS

Cause
The devices are in the process of FREEing.

Action
Wait for the FREE action to complete and retry.

EQCA322I

RDF CHECK ERROR DETECTED

Cause
This message indicates parallel clone SRDF (invalid tracks) check error.

Action
None.

EQCA323I

EMC SNAP API - WAIT UNTIL TARGET DEVICE IS FULLY DEFINED

Cause
The Snap API is waiting for full definition of the target device.

Action
None.
Target is not linked with following snapshot (name)

**Cause**
The STOP SNAP TO VOLUME command with the NAME() parameter was issued against a device which has no LINKED snapshot with the specified name.

**Action**
Check the state of the snapshot. Ensure the snapshot is linked before trying to unlink. The snapshot should not be hardlinked.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

UNABLE TO ACQUIRE ENQ FOR RESOURCE, CONTROLLER S/N: cccccc-cccccc
SYMDV#: symdv#

**Cause**
SNAP API tried to obtain ENQ on the resource residing on storage system cccccc-cccccc and PowerMax/VMAX device number symdv#. After several unsuccessful attempts made before the timeout, the API finished with error.

**Action**
Determine which SNAP job already owns the SYSTEMS ENQ on the resource.

ACTIVATE STARTING

**Cause**
An activate was requested and it is starting.

**Action**
None

ACTIVATE PENDING, REPLY "GO" TO CONTINUE

**Cause**
An activate was requested with the parameter MESSAGE(prompt).

**Action**
Reply GO to the outstanding console request.
EQCA902I

ACTIVATE COMPLETED

Cause
An activate was requested and it has completed.

Action
None

EQCA903I

ACTIVATE EXTENT STARTING

Cause
An activate was requested and it is starting. Some extents are being processed so ECA is not available.

Action
None

EQCA904I

ACTIVATE EXTENT PENDING, REPLY “GO” TO CONTINUE

Cause
An activate was requested with the parameter MESSAGE(prompt).

Action
Reply GO to the outstanding console request.

EQCA910W

DEVICE BEING RECONFIGURED, POSSIBLE EXTENDED DELAY IN PROCESSING

Cause
A source or target device is in the process of being reconfigured. TimeFinder waits until the reconfiguration is complete. This may delay processing.

Action
None.

EQCA920I

ECA FOR CONTROLLER# serialnumber HELD FOR elapsedtime SECONDS ON count DEVICE(S)
**EQCA921I**

Snow for controller `serialnumber` held for `elapsedtime` seconds on ragroup `ragroup` [TAG `msctag`]

**Cause**  
This is an informational message requested by the MESSAGE(DETAILS) parameter on the ACTIVATE statement. There will be one statement for each storage system where ECA is raised.

**Action**  
None.

**ESNP001S**

Output listing dd statement `(ddname)` missing

**Cause**  
The specified DDNAME is missing from the JCL. This file is required for further processing.

**Action**  
Correct the run JCL and submit again.

**ESNP002S**

Error opening output listing dd statement `(ddname)`

**Cause**  
Unable to open the specified file.

**Action**  
A z/OS message should accompany this message. The z/OS message indicates the type of problem encountered with this file.

**ESNP003S**

Input dd statement `(ddname)` missing

**Cause**  
The specified DDNAME is missing from the JCL. This file is required for further processing.
**Action**
Correct the run JCL and submit again.

**ESNP004S**

**ERROR OPENING INPUT DD STATEMENT (ddname)**

**Cause**
Unable to open the specified file.

**Action**
A z/OS message should accompany this message. The z/OS message indicates the type of problem encountered with this file.

**ESNP005S**

**EMC SCF IS NOT AVAILABLE - EMCSNAP IS NOT AVAILABLE**

**Cause**
The Dell EMC server address space is not available.

**Action**
Start the Dell EMC server address space.

**More Information**
There is a special dd-statement that may affect the way this works, //SCF$xxxx DD DUMMY. If this dd statement is used in the SCF JCL, then an identical dd statement must be used in the batch job in order for the batch job to properly identify and locate the SCF. If the SCF JCL does not have any such dd statement, then the batch job must also not have any SCF$ dd statement.

**ESNP006S**

**ERROR, INCORRECT PARM2 VALUE PASSED TO EMCSNAP**

**Cause**
An API call was made to EMCSNAPI and either: (1) the parameter pointer was not terminated; or (2) parameter #2 is not formatted correctly.

**Action**
Examine the calling parameter list and ensure that: (1) the parameter pointer is terminated; and (2) parameter #2 is formatted correctly.

**ESNP010I**

**BEGINNING COMMAND PARSE**

**Cause**
Input command file processing is beginning.
ESNP011I

**PARSING STATEMENT #number**

**Cause**
Parsing of the next input command is beginning.

**Action**
None.

ESNP012E

**INVALID COMMAND SPECIFIED**

**Cause**
The command specified in the input is not recognized.

**Action**
Use a command which is valid for this utility program.

ESNP013E

**SOURCE DATASET NAME OR INDDNAME MUST BE SPECIFIED**

**Cause**
The SNAP DATASET command requires a source file. It may be specified using the SOURCE or INDDNAME parameters.

**Action**
Specify the source dataset name or DD name.

ESNP014E

**TARGET DATASET NAME OR OUTDDNAME MUST BE SPECIFIED**

**Cause**
The SNAP DATASET command requires a target file. It may be specified using the TARGET or OUTDDNAME parameters.

**Action**
Specify the target dataset name or DD name.
ESNP015E

SOURCE VOLSER, UNIT OR INDDNAME MUST BE SPECIFIED

Cause
The SNAP VOLUME command requires a source volume. It may be specified using the SOURCE VOLSER, SOURCE UNIT or INDDNAME parameters.

Action
Specify the source volume.

ESNP016E

TARGET VOLSER, UNIT OR OUTDDNAME MUST BE SPECIFIED

Cause
The SNAP VOLUME command requires a target volume. It may be specified using the TARGET VOLSER, TARGET UNIT or OUTDDNAME parameters.

Action
Specify the target volume.

ESNP017I

COMMAND PARSE COMPLETE

Cause
Parsing of the input command file is complete.

Action
None.

ESNP018E

PARSE COMPLETED WITH ERRORS, RUN TERMINATED

Cause
An error was detected while parsing the input commands.

Action
Correct the previously identified errors and submit again.

ESNP019W

NO COMMANDS ENCOUNTERED, RUN TERMINATED
Cause
No commands were encountered while parsing the input command file.

Action
Add a command and submit again.

ESNP020I

Z/OS SUPPORT FOR SNAPSHOT DETECTED

Cause
Indicates that IBM SNAPSHOT support is installed and enabled for this system.

Action
None

ESNP023I

IBM FLASHCOPY SUPPORT DETECTED AND ENABLED

Cause
The support was found in the operating system. The message was issued before any statements were parsed. EMCSNAP does support FlashCopy on IBM devices. And it does support FlashCopy on storage systems with FlashCopy enabled. The message just means that the support is present, not that any devices were found with the feature enabled.

Action
None

ESNP024I

Z/OS SUPPORT FOR FLASHCOPY V2 DETECTED

Cause
Indicates that IBM FLASHCOPY V2 support is installed and enabled for this system.

Action
None

ESNP025E

GATEKEEPER VOLSER OR UNIT MUST BE SPECIFIED WHEN SYMDV IS USED AS SOURCE AND TARGET

Cause
SOURCE(SYMDV##(#)) and TARGET(SYMDV##(#)) have been specified, but the REMOTE or LOCAL gatekeeper parameter is missing.
Action
Add the gatekeeper information - specify the necessary REMOTE or LOCAL
gatekeeper parameter.

ESNP026I

WARNING ** EMCSNAP API V&CODE_VLR INVOKED BY EMCSNAP APPLICATION V

Cause
The stub program (EMCSNAP) is at a different maintenance level than the SCF that is
being used.

Action
Ensure that the EMCSNAP program is at the same maintenance level as SCF. Usually
this is a problem if EMCSNAP has been copied from the Dell EMC distribution library
into a linklist dataset.

ESNP027E

IMPROPER USE OF SOURCE VOLSER, UNIT OR INDDNAME WITH SYMDV# SPECIFIED

Cause
The source device number has been specified with SYMDV# - SOURCE(SYMDV#()).
That is not allowed to be mixed with SOURCE(VOLSER()) or SOURCE(UNIT()) or
INDDNAME().

Action
If you are using SYMDV#, then you must remove the SOURCE VOLSER(), UNIT()) or
INDDNAME() parameters. You cannot mix them.

ESNP028E

IMPROPER USE OF TARGET VOLSER UNIT, OR OUTDDNAME WITH SYMDV# SPECIFIED

Cause
The source device in an operation was specified as an internal PowerMax/VMAX
device number through the SYMDV# parameter; but, the target device was not
specified using SYMDV#. (You will also normally see the ESNP087E message.)

Action
If you are using the SYMDV# parameter, you must use it throughout the operation.
Recast the target device specification as an internal PowerMax/VMAX device number
through the SYMDV# parameter.

ESNP030E

SOURCE AND TARGET VOLUME MUST RESIDE WITHIN THE SAME SYMMETRIX
CONTROL UNIT
**Cause**
The source and target volume for a SNAP VOLUME command must reside within the same storage system.

**Action**
Make sure that both the source and target volumes for a SNAP VOLUME command reside in the same storage system, or specify a data mover in the parameters.

**Note**
The Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information about the data mover.

---

**ESNP031E**

**SOURCE AND TARGET VOLUME MUST BE THE SAME DEVICE TYPE**

**Cause**
The source and target volume for a SNAP VOLUME command must be the same device type. For instance, a 3380 source device can only be snapped to a 3380 target device.

**Action**
Choose a target volume which is the same device type as the source volume.

---

**ESNP032E**

**SOURCE AND TARGET VOLUME MUST HAVE THE SAME TRACK SIZE**

**Cause**
The track sizes of the source and target volumes are different.

**Action**
Choose a target volume where the track size is the same as the track size of the source volume.

---

**ESNP033E**

**SOURCE TRACK SIZE: size TARGET TRACK SIZE: size**

**Cause**
This message immediately follows message ESNP032E. This message identifies the actual track size detected for the source and target volumes.

**Action**
ESNP032E provides more information.
ESNP034E

THE TARGET VOLUME MUST HAVE AT LEAST AS MANY CYLINDERS AS THE SOURCE VOLUME

Cause
The target volume must be capable of holding the entire source volume. The target volume may have more cylinders than the source volume. However, the source volume may not contain more cylinders than the target volume.

Action
Choose a target volume which contains the same (or more) cylinders than the source volume.

ESNP035E

SOURCE CYLINDER COUNT: size TARGET CYLINDER COUNT: size

Cause
This message immediately follows message ESNP034E. This message identifies the actual number of cylinders detected for the source and target volumes.

Action
ESNP034E provides more information.

ESNP036I

THE TARGET VOLUME IS LARGER THAN THE SOURCE VOLUME.

Cause
In a SNAP VOLUME operation, the target volume contains more cylinders than the source volume.

Action
None.

More Information
This message is generated so that you will know that the target volume space management is still set for the smaller (source) volume. In order to utilize the additional space on the target volume, you will need to run an IBM utility program ICKDSF and specify a REFVTOC on the target volume. REFVTOC will detect the new volume size and update the VTOC space management to reflect the additional space. There is also an EMCSNAP parameter (REFVTOC(YES|NO)) which may be specified to automatically run REFVTOC and it will also eliminate this message.

ESNP037I

RUN ICKDSF REFVTOC TO ADD THE SPACE TO THE VTOC.
Cause
This message immediately follows message ESNP036I. Because the target volume is larger than the source volume, there are more cylinders physically present than identified in the source VTOC.

Action
None required. To correct the VTOC and make the additional space available for allocation, you should run the ICKDSF utility program and perform the REFVTOC command.

ESNP038E

CONDITIONVOLUME MAY NOT BE SPECIFIED WITH COPYVOLID(YES)

Cause
COPYVOLID(YES) was specified on a SNAP VOLUME command. CONDITIONVOLUME was also specified. CONDITIONVOLUME may not be specified with COPYVOLID(YES).

Action
Remove the CONDITIONVOLUME parameter from the SNAP VOLUME command.

ESNP039I

FBA DEVICES: CONDVOL, COPYVOLID, NEWVOLID, REFVTOC, REPLACE - IGNORED

Cause
This message is always issued when a FBA SNAP is requested.

Action
The request will continue normally. The identified parameters are ignored if used with a FBA device snap.

More Information
Because an FBA device is not formatted for zOS usage, these parameters (and several more) do not apply to FBA devices.

ESNP03CE

ZDP(YES) CANNOT BE SET FOR THE CREATE COMMAND

Cause
An attempt was made to run the CREATE command while the ZDP(YES) parameter is in effect. This is not allowed.

Action
Run CREATE when ZDP(YES) is not set.
ESNP03DE

ZDP(YES) CANNOT BE SET FOR THE RENAME COMMAND

**Cause**
The RENAME command was issued while the ZDP(YES) parameter was specified for SnapVX, which is not allowed.

**Action**
Retry when ZDP(NO) is set for SnapVX.

ESNP03GI | ESNP03GW | ESNP03GE

TARGET SRP# srp# IS percentage% FULL

**Cause**
This message is issued during a LINK operation to warn that the indicated storage resource pool (SRP) has used its capacity up to the indicated percentage.

This message can be issued as an informational (return code 0), warning (return code 4), or error message (return code 8) depending on the GLOBAL SRP_PERCENT parameter setting, as described in the Dell EMC Mainframe Enablers TimeFinder SnapVX and zDP Product Guide.

**Action**
None.

ESNP040I

PROCESSING REQUESTS

**Cause**
Parsing of the input command file was successful and execution of the commands is now beginning.

**Action**
None.

ESNP041E

MAXRC OF rc EXCEEDED, PROCESSING TERMINATED

**Cause**
After processing a command, the highest return code encountered has exceeded the indicated MAXRC. Processing of additional commands will not occur and execution will stop.

**Action**
Correct the command in error.
ESNP042I

PROCESSING FOR STATEMENT # BEGINNING, RESET EXTENT TRACK ON VOLUME

**Cause**
An extent track diagnostic command is being processed.

**Action**
None.

ESNP043I

PROCESSING FOR STATEMENT # COMPLETED, HIGHEST RETURN CODE ENCOUNTERED IS xxxxxxxxx

**Cause**
Processing for an extent track diagnostic command has completed. The highest return code encountered is identified.

**Action**
None.

ESNP044I

PROCESSING FOR STATEMENT # number BEGINNING, CLEANUP EXTENT TRACK ON VOLUME volser

or

PROCESSING FOR STATEMENT # number BEGINNING, CLEANUP EXTENT TRACK ON ATTACHED R2 VOLUME volser

**Cause**
The first format of this message is normal when a CLEANUP EXTENT TRACK command is being processed. The second format of this message is also produced when a CLEANUP EXTENT TRACK command is being run against a R1 device, and it is connected to the R2 device, and AUTOMATIC_CLEANUP_R2(YES) is specified.

**Action**
None.

ESNP045I

PROCESSING FOR STATEMENT # number COMPLETED, HIGHEST RETURN CODE ENCOUNTERED IS rc

**Cause**
Processing for a CLEANUP EXTENT TRACK command has completed. The highest return code encountered is identified.
ESNP046I

PROCESSING BYPASSED DUE TO TYPRUN=SCAN OPTION

Cause
TYPRUN=SCAN was specified and all action processing will be bypassed.

Action
Verify that the processing will produce the desired results and run again without TYPRUN=SCAN.

ESNP047I

PROCESSING BYPASSED DUE TO TYPRUN=NORUN OPTION

Cause
TYPRUN=NORUN was specified and all action processing will be bypassed.

Action
Verify that the processing will produce the desired results and run again without TYPRUN=NORUN.

ESNP048I

PROCESSING BYPASSED DUE TO TYPRUN=NORUN OPTION

Cause
TYPRUN=NORUN was specified and all action processing will be bypassed.

Action
Verify that the processing will produce the desired results and run again without TYPRUN=NORUN.

ESNP049I

PREPARE_FOR_SNAP(YES) REQUESTED, NEW ALLOCATIONS AND DATA MOVEMENT SUPPRESSED **

Cause
PREPARE_FOR_SNAP(YES) is present on a GLOBAL command.

Action
None.
ESNP050E

INVALID MASK SPECIFIED IN INDEX number OF THE SOURCE DATASET NAME

Cause
An improper dataset name mask has been detected while analyzing the source dataset name parameter. The index level with the improper value is identified in the message.

Action
Correct the source dataset name field.

ESNP051E

SOURCE DATASET NAME: dsname

Cause
This message immediately follows message ESNP050E. This message identifies the source dataset name referenced in message ESNP050E.

Action
Refer to ESNP050E.

ESNP052E

INVALID MASK SPECIFIED IN INDEX number OF THE TARGET DATASET NAME

Cause
An improper dataset name mask has been detected while analyzing the target dataset name parameter. The index level with the improper value is identified in the message.

Action
Correct the target dataset name field.

ESNP053E

TARGET DATASET NAME: dsname

Cause
This message immediately follows message ESNP052E. This message identifies the target dataset name referenced in message ESNP052E.

Action
Refer to message ESNP052E.
ESNP054E

INVALID MASK SPECIFIED IN INDEX number OF THE EXCLUDE DATASET MASK

Cause
An improper dataset name mask has been detected while analyzing the exclude dataset mask parameter. The index level with the improper value is identified in the message.

Action
Correct the exclude dataset mask field.

ESNP055E

EXCLUDE MASK: mask

Cause
This message immediately follows message ESNP054E. This message identifies the exclude dataset mask referenced in message ESNP054E.

Action
Refer to message ESNP054E.

ESNP056E

INVALID MASK SPECIFIED IN INDEX number OF THE RENAMEUNCONDITIONAL OLDNAME MASK

Cause
An improper dataset name mask has been detected while analyzing the renameunconditional dataset oldname mask parameter. The index level with the improper value is identified in the message.

Action
Correct the RENAMEUNCONDITIONAL DATASET OLDNAME mask field.

ESNP057E

OLDNAME MASK: mask

Cause
This message immediately follows message ESNP056E. This message identifies the RENAMEUNCONDITIONAL DATASET OLDNAME mask referenced in message ESNP056E.

Action
Refer to message ESNP056E.
ESNP058E
INVALID MASK SPECIFIED IN INDEX number OF THE RENAMEUNCONDITIONAL NEWNAME MASK

Cause
An improper dataset name mask has been detected while analyzing the renameunconditional dataset newname mask parameter. The index level with the improper value is identified in the message.

Action
Correct the renameunconditional dataset newname mask field.

ESNP059E
NEWNAME MASK: mask

Cause
This message immediately follows message ESNP058E. This message identifies the renameunconditional dataset newname mask referenced in message ESNP058E.

Action
Refer to message ESNP058E.

ESNP060E
I/O ERROR READING VOLUME LABEL FOR VOLUME volser, RC: rc

Cause
An I/O error occurred while reading the volume label for the indicated volume.

Action
Identify the I/O error and correct the problem. Contact Dell EMC Customer Support for assistance.

ESNP061E
VOLUME LABEL ON VOLUME volser DOES NOT VERIFY, EXPECTED VOL1, FOUND value

Cause
The volume label for the indicated volume has been read. It is expected to be a standard volume label containing “VOL1” as an identifier. A different identifier was found.

Action
Initialize the volume with a standard volume label.
ESNP062E

**VOLUME LABEL ON VOLUME volser DOES NOT VERIFY, FOUND value**

**Cause**
The volume label for the indicated volume has been read. The volser in the volume label did not match the volser contained in the z/OS UCB.

**Action**
Vary the device offline and online. This causes z/OS to reread the volume label. If the problem persists, the volume should be initialized with a standard volume label.

ESNP070E

**IDCAMS FAILED WITH RC: rc WHILE DELETING DATASET: dsname**

**Cause**
An attempt to delete the indicated dataset has failed. IDCAMS is used to delete datasets.

**Action**
The IDCAMS run log will immediately follow this message. Refer to the IDCAMS run log for the error encountered. Correct the IDCAMS error.

ESNP071E

**USER EXIT PREVENTED SCRATCHING OF DATASET dsname, RC/R0/R1 xxxxxxxx/xxxxxxx/xxxxxxx**

**Cause**
User exit was called and it prevented the dataset from being scratched and requested this error message (rc=8).

**Action**
Refer to user exit.

ESNP071W

**USER EXIT PREVENTED SCRATCHING OF DATASET dsname, RC/R0/R1 xxxxxxxx/xxxxxxx/xxxxxxx**

**Cause**
User exit was called and it prevented the dataset from being scratched and requested this warning message (rc=4).

**Action**
Refer to user exit.
ESNP080E
READ OF VVDS RECORDS FAILED, RC: rc

Cause
An attempt to read a VVDS record has failed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP081E
UPDATE OF VVDS RECORDS FAILED, RC: rc

Cause
An attempt to update a VVDS record has failed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP082I
SOURCE DATASET NAME: dsname VOLSER: volser

Cause
This message immediately follows message ESNP080E. This indicates that the VVDS record for the source dataset was being read on the specified volume.

Action
Refer to the message ESNP080E.

ESNP083I
TARGET DATASET NAME: dsname VOLSER: volser

Cause
This message immediately follows message ESNP080E or ESNP081E. This indicates that the VVDS record for the target dataset was being read or updated on the specified volume.
Action
Refer to the messages ESNP080E or ESNP081E.

ESNP084E

BOTH DATA SETS MUST HAVE THE SAME CI/CA, CISIZE AND TRK/AU

Cause
Each of these values must be the same for the source and target datasets.

Action
Either correct the target dataset attributes to match the source dataset attributes or change the source dataset attributes to match the target dataset attributes.

ESNP085I

SOURCE DATA SET NAME: dsname CI/CA: nnn CISIZE: nnn TRK/AU: nnn

Cause
Identifies the values that might have caused the mismatch for the source dataset.

Action
None.

ESNP086I

TARGET DATA SET NAME: dsname CI/CA: nnn CISIZE: nnn TRK/AU: nnn

Cause
Identifies the values that might have caused the mismatch for the target dataset.

Action
None.

ESNP090E

INVALID TARGET MASK, WILD CARD CHARACTER FOLLOWED BY SOMETHING - value

Cause
The target dataset name mask field contains a wild card character (asterisk) followed by another character. The asterisk indicates that an entire index level (or multiple index levels) should be copied from the matching source dataset name.

Action
Correct the target dataset name mask field.
ESNP091E

TARGET DATASET NAME EXCEEDS 44 CHARACTERS

Cause
The generated target dataset name exceeds the z/OS limit of 44 characters.

Action
This usually occurs when the target dataset name mask field is used to copy index levels from the source dataset name. The final generated target dataset name is too large. Correct the target dataset name mask.

ESNP092I

SOURCE DSNAME: dsname

Cause
This message immediately follows messages ESNP091E, ESNP094E, or ESNP096E and identifies the source dataset name used to generate the target dataset name.

Action
Refer to the messages ESNP091E, ESNP094E, or ESNP096E.

ESNP093I

TARGET MASK: dsname

Cause
This message immediately follows message ESNP092I and identifies the target dataset name mask being used to generate a new target dataset name.

Action
Refer to the messages ESNP091E or ESNP094E.

ESNP094E

SOURCE DATASET NAME DOESN'T HAVE ENOUGH INDEX LEVELS TO WORK WITH TARGET MASK

Cause
The target dataset name mask field contains more index levels than the source dataset name.

Action
Correct the target dataset name mask.
ESNP095E

UNABLE TO DETERMINE A TARGET MASK

Cause
No target name was specified, or a target mask could not be determined.

Action
Specify the target parameter.

ESNP096E

A SINGLE DATASET HAS BEEN SPECIFIED AS BOTH SOURCE AND TARGET, NOT ALLOWED

Cause
The same dataset is specified as source and target.

Action
Correct and submit again.

ESNP097I

TARGET DSNAME: dsname

Cause
This message immediately follows message ESNP096E.

Action
Refer to the message ESNP096E.

ESNP0A0I

VOLUME volser NOT SELECTED BECAUSE reason

Cause
EXPLAIN(VOLUME_SELECTION) has been specified. This message identifies a volser with a short text message explaining why the volume cannot be selected as a candidate volume. The short text message may include any of the following reasons:

- NO UCB FOUND, NOT ONLINE
- NO MATCHING VOLUME FOUND ONLINE
- MIRROR WRITE LOCK SET
- SAR LOCK SET
- FAILED CONGROUP CHECK
- INVALID STORGRP STATUS THIS SYS
- INVALID SMS SYSTEM STATUS
ZOS SAYS NOT AN SMS DEVICE
SRDFA R1, NO DATAMOVER
SRDFA R1 NOT ALLOWED
SRDFS R1, NO DATAMOVER
SRDFS R1 NOT ALLOWED
NOT A BCV DEVICE
NOT SAME CONTROL UNIT
DIFFERENT TYPE OF DEVICE
DIFFERENT TRACK SIZE

Action
None.

ESNP0A1I

UNIT volser NOT SELECTED BECAUSE reason

Cause
EXPLAIN(VOLUME_SELECTION) has been specified. This message identifies a unit with a short text message explaining why the unit cannot be selected as a candidate device. A short text message may include any of the following reasons:

NO UCB FOUND, NOT ONLINE
NO MATCHING VOLUME FOUND ONLINE
MIRROR WRITE LOCK SET
SAR LOCK SET
FAILED CONGROUP CHECK
INVALID STORGRP STATUS THIS SYS
INVALID SMS SYSTEM STATUS
ZOS SAYS NOT AN SMS DEVICE
SRDFA R1, NO DATAMOVER
SRDFA R1 NOT ALLOWED
SRDFS R1, NO DATAMOVER
SRDFS R1 NOT ALLOWED
NOT A BCV DEVICE
NOT SAME CONTROL UNIT
DIFFERENT TYPE OF DEVICE
DIFFERENT TRACK SIZE

Action
None.
<table>
<thead>
<tr>
<th>Message</th>
<th>Description</th>
<th>Cause</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESNP0B0I</td>
<td>SOURCE VOLUME NOT FULLY SYNCHRONIZED, COPY MAY NOT BE CONSISTENT</td>
<td>The source device is an SRDF/A R2 device and it is not fully synchronized.</td>
<td>The action will continue, but the copy will probably not be consistent. If you desire a consistent copy, you must wait until the device is fully synchronized and then rerun this request.</td>
</tr>
<tr>
<td>ESNP0B1I</td>
<td>REMOTE PARALLEL CLONE COPY DID NOT HAPPEN</td>
<td>An operating environment condition occurred which prevented parallel clone from being used.</td>
<td>None. Parallel Clone was not used.</td>
</tr>
<tr>
<td>ESNP0B2I</td>
<td>LOCAL NON-PARALLEL CLONE COPY SUBSTITUTED</td>
<td>Refer to message ESNP0B1I. This is a continuation of that message.</td>
<td>None.</td>
</tr>
<tr>
<td>ESNP0B3I</td>
<td>REMOTE PC COPY FAILED, NON-PC USED</td>
<td>The operating environment condition occurred in the remote (R2) storage system. This is a further explanation of message ESNP0B1I.</td>
<td>None.</td>
</tr>
</tbody>
</table>
ESNP0B4I
LOCAL PC COPY FAILED, NON-PC USED

Cause
The operating environment condition occurred in the local (R1) storage system. This is a further explanation of message ESNP0B1I.

Action
None.

ESNP0B5I
- EXISTING PC SESSION REPLACED WITH NON-PARALLEL CLONE COPY.

Cause
An existing parallel clone session was found, and it was replaced with a non-parallel clone session.

Action
None.

ESNP0B6I
- EXISTING NON-PC SESSION REPLACED WITH PARALLEL CLONE COPY.

Cause
An existing non-parallel clone session was found and replaced with a parallel clone session.

Action
None.

ESNP0B8W
SOURCE VOLUME(S) NOT FULLY SYNCHRONIZED, COPY MAY NOT BE CONSISTENT

Cause
The source device is an R2 device and it is not fully synchronized.
The operation continues, but the copy might be inconsistent.

Action
If a consistent copy is required, wait until the device is fully synchronized and then rerun the request.
ESNP0C0E

RC=1779 - VDEV POOL IS FULL

Cause
An establish of a VDEV failed because the VDEV pool has no free tracks available.

Action
(1) Choose another VDEV pool. (2) Terminate an existing VDEV using this pool to make tracks available in the VDEV Pool.

ESNP0C1E

- RC=175F - ACTIVATE CASCADING DEVICES, SOURCE STILL HAS INDIRECT TRACKS

Cause
Activate failed for a cascading device because the source still has indirect tracks to be copied.

Action
Wait for the copy to complete, then try the operation again.

ESNP0C2E

- RC=177F - RESTORE FAILED, MIXING THICK/THIN DEVICES NOT ALLOWED OR VSE TARGET IS AN RDF DEVICE

Cause
1) Restore operation failed. A mix of thick and thin devices is not allowed.
2) The VSE target device is an SRDF device.

Action
1) Restore elsewhere, ensure you are using the same type of device (thick/thin).
2) A VSE operation may not involve an SRDF device. Choose another device, or specify MODE(COPY).

ESNP0C3E

- RC=1797 - SYSCALL IS BLOCKED, ACCESS CONTROLS ARE IN EFFECT OR TARGET BOX IS NOT SUPPORTED

Cause
Access controls are in effect.

Action
Contact your site administrator to determine what has to be done to allowed this operation to succeed.
ESNP0C4E

- RC=1727 - TARGET R2 DEVICE IS DISABLED AND ACTIVE ON LINK

**Cause**
An R2 that is active on the link may not be used as the target of this type of operation.

**Action**
1) Choose another device.
2) Make the R2 device inactive on the link, then ready to the channels, then rerun this request.

ESNP0C5E

RC=1726 - MIX OF VSE AND VDEV DEVICES ON SAME SOURCE DEVICE

**Cause**
An attempt to have both MODE(VSE) and VDEV sessions using the same source device has resulted in an error.

**Action**
Do not use MODE(VSE) when a device is going to also have VDEV sessions.

ESNP0D1E

- CONTROLLER LICENSE DISALLOWS PARALLEL CLONE OPERATIONS - SERIAL#: xxxxxxxx-xxxxx

**Cause**
The storage system feature license does not allow parallel clone operations on the specified storage system.

**Action**
Add the parallel clone license to SCF. To obtain the necessary feature license, email licensekeys@emc.com.

ESNP0D2E

EMCKFI FAILED CHECKING CONTROLLER xxxxxxxx-xxxxx, R15: xxxxxxxx R0: xxxxxxxx

**Cause**
EMCKFI returned an error while attempting to check the feature license for the specified storage system.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP0D3E

TO FIND OUT MORE OR OBTAIN THE NECESSARY LFC CONTACT YOUR LOCAL EMC SALES REPRESENTATIVE

Cause
A parallel clone operation was attempted without the feature enabled in the storage system.

Action
Add the parallel clone feature license to SCF. To obtain the necessary feature license, email licensekeys@emc.com.

ESNP0D4E

UNABLE TO VALIDATE CONTROLLER LICENSE, CONTROLLER NOT DEFINED TO SCF - xxxxxxx-xxxxx

Cause
An attempt to validate the storage system license failed. The device storage system is not defined to SCF.

Action
(a) Review the SCF devices and ensure that the device is included in SCF. (b) Correct the device reference to a valid SCF device.

ESNP0D5E

TO FIND OUT MORE OR OBTAIN THE NECESSARY ELM CONTACT YOUR LOCAL EMC SALES REPRESENTATIVE

Cause
A parallel clone operation was attempted without the feature enabled in the storage system.

Action
Add the parallel clone eLicenses to your storage systems. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNP0E0I

SPACE EFFICIENT DEVICES REQUIRE PRECOPY(NO), ASSUMED

Cause
Space efficient devices are flashcopy specific devices. Precopy is not allowed on these devices.
Action
None. The precopy parameter is ignored and NO assumed. The command will continue.

ESNP0E1E

SOURCE_VDEV ONLY SUPPORTED WITH MICROCODE LEVELS 5X75 AND HIGHER

Cause
SOURCE(VDEV()) was specified for a device that is in an older storage system. This is only supported for devices in a storage system that is at operating environment level 5x75 and later.

Action
None.

ESNP0E2E

LIGHTNING DEVICE NOT SUPPORTED WHEN ACTIVE IN CACHING MODE

Cause
A lightning device was referenced. A lightning device is not supported when active in caching mode.

Action
Choose another device.

ESNP0E3I

SNAP VOLUME IS NOT NATIVE FOR UCODE >= 5X77 AND MAY NOT BE SUPPORTED IN FUTURE UCODE LEVELS

Cause
The SNAP VOLUME command was run on a storage system with operating environment level 5x77 or later.

Action
No action is needed.

This message is issued to warn users that they are using legacy commands that may not be supported in future releases of the operating environment. The new SnapVX commands should be used instead.

ESNP0E4I

SOFTLINK OPTION IS NOT SUPPORTED FOR PARALLEL CLONE, SOFTLINK IGNORED

Cause
The SOFTLINK option cannot be used with Parallel Clone operations and was therefore ignored.
ESNP0E5I

**SOURCE DEVICE MAY NOT BE SRDF/METRO DEVICE**

**Cause**
Source device specified in the TimeFinder/Clone command is in the SRDF/Metro group.

**Action**
Review the TimeFinder/Clone command input and exclude all devices which are in the SRDF/Metro group.

ESNP0E6I

**TARGET DEVICE MAY NOT BE SRDF/METRO DEVICE**

**Cause**
Target device specified in the TimeFinder/Clone command is in the SRDF/Metro group.

**Action**
Review the TimeFinder/Clone command input and exclude all devices which are in the SRDF/Metro group.

ESNP0E8I

**FREESPACENO) OPTION IS NOT SUPPORTED WITH SOFTLINK, FREESPACEXY) ASSUMED**

**Cause**
The specified value of the FREESPACEx parameter is ignored when SOFTLINK(YES) is set.

**Action**
None.

ESNP0F0E

**EMC SNAP API - I/O ERROR CLEANING EXTENTS IN EXTENT TRACK**

**Cause**
An I/O error was detected when cleaning extents in an extent track.

**Action**
Add a GLOBAL DEBUG(EXTRA) to the failing step. Then add //EMCQCAPI DD SYSOUT=* to the JCL for the failing step. Rerun and save the output. Forward the information to the Dell EMC Customer Support Center.
ESNP0F1E

EMC SNAP API - SYSCALL MULTI-DEVICE RESPONSE ERROR

Cause
A multi-device syscall error was detected.

Action
Add a GLOBAL DEBUG(EXTRA) to the failing step. Then add //EMCQCAPI DD SYSOUT=* to the JCL for the failing step. Rerun and save the output. Forward the information to the Dell EMC Customer Support Center.

ESNP0F2E

EMC SNAP API - INTERNAL DEVICE TABLE TOO SMALL

Cause
An internal table was found to be too small.

Action
Add a GLOBAL DEBUG(EXTRA) to the failing step. Then add //EMCQCAPI DD SYSOUT=* to the JCL for the failing step. Rerun and save the output. Forward the information to the Dell EMC Customer Support Center.

ESNP0F3E

EMC SNAP API - SOURCE AND TARGET DEVICES ARE THE SAME

Cause
The source and target device are the same device.

Action
Correct either the source and target devices to reflect the correct devices.

ESNP0F4E

EMC SNAP API - CANNOT RESNAP A VDEV WHERE THE STANDARD DEVICE IS TARGET OF CLONE SESSION

Cause
In a cascading situation with a VDEV device (A-> B-> Vdev), you cannot resnap a VDEV.

Action
You must terminate the A->B session before you can resnap the B->Vdev session.
ESNP0F5E  
EMC SNAP API - ERROR CREATING SNAPSHOT  

Cause  
An error was encountered while creating a snapshot.  

Action  
Add a GLOBAL DEBUG(EXTRA) to the failing step. Then add //EMCQCAPI DD SYSOUT=* to the JCL for the failing step. Rerun and save the output. Forward the information to the Dell EMC Customer Support Center.  

ESNP0F6E  
EMC SNAP API - ERROR ACTIVATING SNAPSHOT  

Cause  
An error was encountered while activating a snapshot.  

Action  
Add a GLOBAL DEBUG(EXTRA) to the failing step. Then add //EMCQCAPI DD SYSOUT=* to the JCL for the failing step. Rerun and save the output. Forward the information to the Dell EMC Customer Support Center.  

ESNP0F7E  
EMC SNAP API - ERROR QUERYING SNAPSHOT  

Cause  
An error was encountered while querying a snapshot.  

Action  
Add a GLOBAL DEBUG(EXTRA) to the failing step. Then add //EMCQCAPI DD SYSOUT=* to the JCL for the failing step. Rerun and save the output. Forward the information to the Dell EMC Customer Support Center.  

ESNP0F8E  
EMC SNAP API - ERROR LINKING SNAPSHOT  

Cause  
An error was encountered while creating a snapshot.  

Action  
Add a GLOBAL DEBUG(EXTRA) to the failing step. Then add //EMCQCAPI DD SYSOUT=* to the JCL for the failing step. Rerun and save the output. Forward the information to the Dell EMC Customer Support Center.
ESNP0F9E

EMC SNAP API - ERROR UNLINKING SNAPSHOT

Cause
An error was encountered while unlinking a snapshot.

Action
Add a GLOBAL DEBUG(EXTRA) to the failing step. Then add //EMCQCAPI DD SYSOUT=* to the JCL for the failing step. Rerun and save the output. Forward the information to the Dell EMC Customer Support Center.

ESNP0FAE

EMC SNAP API - ERROR RENAMING SNAPSHOT

Cause
An error was encountered while renaming a snapshot.

Action
Add a GLOBAL DEBUG(EXTRA) to the failing step. Then add //EMCQCAPI DD SYSOUT=* to the JCL for the failing step. Rerun and save the output. Forward the information to the Dell EMC Customer Support Center.

ESNP0FBE

EMC SNAP API - ERROR TERMINATING SNAPSHOT

Cause
An error was encountered while terminating a snapshot.

Action
Add a GLOBAL DEBUG(EXTRA) to the failing step. Then add //EMCQCAPI DD SYSOUT=* to the JCL for the failing step. Rerun and save the output. Forward the information to the Dell EMC Customer Support Center.

ESNP0FCE | ESNP0FCW

EMC SNAP API - ERROR SETTING COPY MODE

Cause
An error was encountered while setting the copy mode of a snapshot.

Action
Add a GLOBAL DEBUG(EXTRA) to the failing step. Then add //EMCQCAPI DD SYSOUT=* to the JCL for the failing step. Rerun and save the output. Forward the information to the Dell EMC Customer Support Center.
ESNP0FDE

EMC SNAP API - ERROR CREATING HARDLINK

Cause
An error was encountered while creating a hardlink.

Action
Add a GLOBAL DEBUG(EXTRA) to the failing step. Then add //EMCQCAPI DD SYSOUT=* to the JCL for the failing step. Rerun and save the output. Forward the information to the Dell EMC Customer Support Center.

ESNP0FEE

EMC SNAP API - LOOKUP FOUND 0 SNAPSHOTs FOR PROCESSING

Cause
Zero snapshots were found with the specified snapshot name on the source device.

Action
Actions include:
- Ensure that the snapshot name and source device have been correctly specified
- Add a GLOBAL DEBUG(EXTRA) to the failing step. Then add //EMCQCAPI DD SYSOUT=* to the JCL for the failing step. Rerun and save the output. Forward the information to the Dell EMC Customer Support Center.

ESNP0FFE

EMC SNAP API - DUPLICATE SNAPSHOT NAME PASSED

Cause
The snapshot name specified already exists on the source device.

Action
Resubmit the command, and specify a new snapshot name which is not currently being used on the source device.

ESNP0FGE

EMC SNAP API - ERROR UPDATING EXPIRATION

Cause
An error was encountered while updating a snapshot expiration.

Action
Add a GLOBAL DEBUG(EXTRA) to the failing step. Then add //EMCQCAPI DD SYSOUT=* to the JCL for the failing step. Rerun and save the output. Forward the information to the Dell EMC Customer Support Center.
ESNP0FIE

EMC SNAP API - CAN NOT TERMINATE SNAPSHOT DUE TO ACTIVE LINK

Cause
An attempt was made to terminate a snapshot which still has an active link.

Action
Remove the link and retry.

ESNP0FJE

EMC SNAP API - LIMIT OF 256 SNAPSHOTs EXCEEDED

Cause
The user has requested to create a snapshot on a source device that already has the maximum number of snapshots allowed (256).

Action
Terminate one or more snapshots and retry.

ESNP0FKE

EMC SNAP API - ERROR LOOKING UP SNAPSHOT

Cause
An error occurred during the LOOKUP syscall which prevented the LOOKUP data from being returned.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP0FME

EMC SNAP API - TGT NOT IN STATE TO ALLOW UNLINK, TGT MAY NOT BE LINKED

Cause
The target volume is not in a state where the UNLINK operation can be run. Most likely the target volume is not linked at the time the UNLINK command was issued.

Action
Check the state of the target volume as it may already be unlinked and no further action needs to be taken.
ESNP0FOE

EMC SNAP API - NO SNAPSHOTS MATCHED THE SPECIFIED SNAPSHOT ID

Cause
A SnapVX command was issued but no snapshots were found matching the specified snapshot ID.

Action
Correct the snapshot specification and retry.

ESNP0FQE

EMC SNAP API - INVALID SNAPSHOT ID FOUND

Cause
During a LINK syscall, the snapshot ID associated with the requested snapshot was found to be invalid. This can occur if the snapshot to be linked does not exist, or was terminated mid processing by a separate task. An unexpected internal snap error could also cause this problem.

Action
Issue a snapshot query command to the source device and verify a snapshot exists with a name that matches that in the LINK command.

Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP0FRE

EMC SNAP API - I/O ERROR FROM HARDLINK SYSCALL

Cause
A syscall to create a hardlink between a source and target device has failed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP0FSE

EMC SNAP API - SOFTLINK AND HARDLINK ARE NOT ALLOWED ON THE SAME DEVICE

Cause
The user attempted to create a snapshot on a device that was already linked.
Action
Terminate the existing link if a new snapshot is desired. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP0FTE
EMC SNAP API - SNAPSHOT SOURCE ALREADY TARGET

Cause
An attempt was made to create a differential snapshot with a target device which is already a source of a differential snapshot and is not allowed.

Action
Choose a target volume which is not already the source of a target snapshot.

ESNP0FWE
EMC SNAP API - CAN NOT TERMINATE A SECURE SNAPSHOT

Cause
A TERMINATE command has been issued against a secure snapshot. The secure snapshot cannot be terminated until its Time to Live expires.

Action
Ensure that a correct snapshot name and source device number are specified in the command.

ESNP0FXE
EMC SNAP API - CAN NOT DECREMENT THE EXPIRATION TIME FOR A SECURE SNAPSHOT

Cause
A CONFIG command has been issued against the expiration time for a secure snapshot. The expiration time for a secure snapshot cannot be decremented.

Action
Check the spelling of the snapshot name, source device number and value of the expiration time.

ESNP0FZE
EMC SNAP API - CAN NOT FREE DEVICE WITH EXISTING SESSION

Cause
A command with the FREE(YES) parameter was issued against a device that has other sessions. The device cannot be freed until all sessions are terminated.
Action
Terminate all existing sessions on the device and retry.

ESNP0G0E

SMFWTM FAILED, RC=rtncode

Cause
The SMFWTM z/OS service failed to write the SMF record.

Action
Refer to the IBM Manual “z/OS MVS System Management Facilities (SMF)”, section “Using SMF Macros” subsection “SMFWTM -- Writing SMF Records” under the title “Return Codes”.

ESNP0G1E

EMC SNAP API - NO SNAPSHOTS FOUND TO ACTIVATE

Cause
An ACTIVATE command was issued against a snapshot that does not exist.

Action
Specify a valid snapshot.

ESNP0H0E

ONLY ONE SNAPPOOL NAME MAY BE SPECIFIED AT A TIME

Cause
Only one snap pool name may be specified in a request.

Action
Change the request to have a single snap pool name.

ESNP0H1E

ONLY ONE THINPOOL NAME MAY BE SPECIFIED AT A TIME

Cause
Only one thin pool name may be specified in a request.

Action
Change the request to have a single thin pool name.

ESNP0I0I

PARALLEL_CLONE REQUESTED, R21 DEVICE DETECTED, NOT ALLOWED
**Cause**
PARALLEL_CLONE is not supported for R21 devices.

**Action**
None. PARALLEL_CLONE is ignored for these devices. PARALLEL_CLONE(NO) is assumed for this request.

**ESNP0I1I**

PARALLEL_CLONE REQUESTED, src/tgt IS IN ADAPTIVE COPY MODE

**Cause**
PARALLEL_CLONE is not supported for devices in adaptive copy mode. PARALLEL_CLONE ignored for these devices. src/tgt will either be SOURCE or TARGET, indicating the device that is in adaptive copy mode.

**Action**
None. PARALLEL_CLONE(NO) is assumed for this request since the feature is not supported.

**ESNP0J0W**

AUTO_BIND(YES) SPECIFIED FOR UNBOUND THIN DEVICE, BUT NO POOL NAME SUPPLIED

**Cause**
An unbound thin device has been encountered during SNAP VOLUME processing. AUTO_BIND(YES) was specified, but the POOLNAME() parameter was omitted. AUTO_BIND will not occur.

**Action**
(1) Manually bind the device to a thin device pool and rerun the request; or (2) Rerun the request and specify a valid thin device pool name with the POOLNAME() parameter.

**ESNP0J1E**

UNABLE TO SNAP AN CKD META MEMBER DEVICE - vol_info

**Cause**
A CKD meta member device may not be used in a snap/clone operation.

**Action**
Correct the action to refer to a supported device. Typically, a CKD meta member is part of a Raid-10 device. If this is the case, specify the CKD meta head, and all members of the raid-10 device will be included.
ESNP0J2E

DEVICE IS ACTIVE WITH REMOTE PAIR FLASHCOPY - volume_information

Cause
The requested device is already involved with Remote Pair FlashCopy.

Action
Remote Pair FlashCopy must have exclusive use of the devices it is involved with. You cannot run any EMCSNAP action statements with this device until the Remote Pair FlashCopy session has been terminated.

ESNP0J3W

FBA META DEVICE - volume_information

Cause
This message indicates that a FBA Meta Device has been selected for processing.

Action
None.

ESNP0K0W

AUTO_BIND(YES) SPECIFIED FOR UNBOUND THIN DEVICE, BUT NO VALID POOL NAME SUPPLIED

Cause
An unbound thin device has been encountered during SNAP VOLUME processing. AUTO_BIND(YES) was specified, but the POOLNAME() parameter did not specify a valid thin device pool. AUTO_BIND will not occur.

Action
(1) Manually bind the device to a thin device pool and rerun the request; or (2) Rerun the request and specify a valid thin device pool name with the POOLNAME() parameter.

ESNP0K1I

AUTO BIND OCCURRED FOR DEVICE ccuu TO POOL poolname

Cause
Device ccuu was bound to pool poolname as part of the requested action.

Action
None.
**ESNP0K2I**

AUTO UNBIND OCCURRED FOR DEVICE ccuu

**Cause**
Device ccuu was automatically unbound as part of the SNAP SNAP TO VOLUME request.

**Action**
None.

**ESNP0L0E**

LOGPOOL API - POOL NAME ALREADY EXISTS

**Cause**
The pool name specified already exists.

**Action**
Use a different pool name.

**ESNP0L1E**

LOGPOOL API - NON-ZERO RETURN CODE GPM SYSCALL

**Cause**
A call to the LOGPOOL API failed because of a non-zero return code from a syscall.

**Action**
Gather all the relevant information and report this failure to the Dell EMC Customer Support Center.

**ESNP0L2E**

LOGPOOL API - I/O ERROR ON GPM SYSCALL

**Cause**
A call to the LOGPOOL API failed because of an I/O error during a SYSCALL.

**Action**
Gather all the relevant information and contact the Dell EMC Customer Support Center.

**ESNP0M0E**

INTERNAL EXTENT TABLE SIZE EXCEEDED
**Cause**
An internal error was detected.

**Action**
Please add GLOBAL DEBUG(EXTRA) to the failing step and rerun it. Save the output and contact the Dell EMC Customer Support Center.

**ESNP0M1E**

INTERNAL SORT FAILED WITH CODE rc

**Cause**
An internal error was detected.

**Action**
Please add GLOBAL DEBUG(EXTRA) to the failing step and rerun it. Save the output and contact the Dell EMC Customer Support Center.

**ESNP0N0E**

REXX USER EXIT FAILURE - CODE= xx

**Cause**
After REXX exit completed, the interface returned the code indicating that the exit failed.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNP0N1E**

REFER TO IBM MESSAGE IRXnnnI

**Cause**
This message follows ESNP0N0E, and indicates that an IBM message may be related to this problem. Refer to IBM message documentation for assistance.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNP0N2I

 stmt# - stmt text

**Cause**
After a REXX exit fails, the in-memory text of REXX statements are shown.

**Action**
Review the error messages prior to the REXX statements.

ESNP0N3E

ERROR, USER POOLNAME > 12 CHARACTERS - count - 1ST 12 ARE: xxxxxxxxxxxxxxx

**Cause**
The REXX exit used to assign a pool name set an invalid name. A pool name must be less than or equal to 12 characters.

**Action**
Review the REXX statements and ensure that all pool names are 12 characters or less.

ESNP0N4E

ERROR, POOLNAME NOT VALID FOR VDEV - poolname

**Cause**
The REXX exit assigned a pool name that is not valid for virtual devices.

**Action**
Review the REXX exit and ensure that valid pool names are returned.

ESNP0N5E

ERROR, USER POOLNAME > 12 CHARACTERS - count - 1ST 12 ARE: xxxxxxxxxxxxxxx

**Cause**
The REXX exit used to assign a pool name set an invalid name. A pool name must be less than or equal to 12 characters.

**Action**
Review the REXX statements and ensure that all pool names are 12 characters or less.

ESNP0N7I

ATTEMPT TO ALLOCATE //SYSTSPRT DD DUMMY FAILED, DYNRC=rc
Cause
In order to run the REXX exit, //SYSTSPRT DD DUMMY must be dynamically allocated. The allocation attempt failed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP0N8I

REXX USER EXIT HAS SELECTED POOL name

Cause
REXX exit has assigned a pool to the request.

Action
None.

ESNP0N9E

ERROR, USER DATASET NEWNAME > 44 CHARACTERS - count - 1ST 44 ARE: lst44

Cause
The REXX exit to assign or validate a new dataset name has returned a name that is greater than 44 characters.

Action
Examine the REXX statements and ensure that a proper, valid, dataset name is returned.

ESNP0P0E

COULD NOT OBTAIN CRC DATA FOR REQUESTED TRACKS

Cause
The syscall to obtain CRC data returned 0 CRC values and the maximum number of retries was exceeded.

Action
The storage system may be too busy to fulfill the request in the allowed amount of time. Try waiting until the system is less busy.
ESNP0P1E

SOURCE TRACK (nnn) CRC=nnnnnnnn DOES NOT MATCH TARGET TRACK (nnn)
CRC=yyyyyyyy

Cause
The source and target CRC values do not match.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP0P3E

SYSCALL ERROR OBTAINING TRACK CRC VALUES, D ATA3E= nnnnnnnnnnnn

Cause
The syscall to obtain CRC data failed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP0P4I

DEVICE NOT ASSIGNED TO AN EF DIRECTOR, SKIPPING VALIDATE. DEVICE=XXXX

Cause
The PowerMax/VMAX device number requested to be validated is not assigned to a front end EF director. This is a requirement for CRC data to be returned.

Action
Assign the device to a front end EF director.

ESNP0P5I

IGNORING TRACK MISMATCH FOR CCHH=0 DUE TO VOLUME LABEL TRACK

Cause
The track which CRC data was requested for is a volume label track. The source and target CRC data will be different do to different volume labels, thus the track mismatch is being ignored.
ESNP0P6E

I/O ERROR FROM CRC SYSCALL, R15=

Cause
The syscall to obtain CRC data failed due to an I/O error.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP0Q0E

ERROR, USER DATACLAS > 8 CHARACTERS - count- 1ST 8 ARE: 1st8

Cause
The REXX exit to validate and assign the data class name returned a name that is greater than 8 characters.

Action
Examine the REXX statements and ensure that a valid data class name is assigned.

ESNP0Q1E

ERROR, USER MGMTCLAS > 8 CHARACTERS - count- 1ST 8 ARE: 1st8

Cause
The REXX exit to validate and assign the management class name returned a name that is greater than 8 characters.

Action
Examine the REXX statements and ensure that a valid management class name is assigned.

ESNP0Q2E

ERROR, USER STORCLAS > 8 CHARACTERS - count- 1ST 8 ARE: 1st8

Cause
The REXX exit to validate and assign the storage class name returned a name that is greater than 8 characters.

Action
Examine the REXX statements and ensure that a valid storage class name is assigned.
ESNP0R1E

**CONTROLLER LICENSE DISALLOWS FEDERATED TIERED STORAGE OPERATIONS - SERIAL#: serial#**

**Cause**
A request against a FTS (Federated Tiered Storage) device was encountered. Snap/Clone operations against FTS devices are not licensed for this storage system.

**Action**
Contact your storage system administrator to determine what licensed operations are permitted.

ESNP0R2E

**EMCKFI FAILED CHECKING CONTROLLER xxxxxxx-xxxxxx, R15: xxxxxxxx R0: xxxxxxxx**

**Cause**
EMCKFI returned an error while attempting to check the FTS feature license for the specified storage system.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP0R3E

**TO FIND OUT MORE OR OBTAIN THE NECESSARY LFC CONTACT YOUR LOCAL EMC SALES REPRESENTATIVE**

**Cause**
A FTS request was attempted without the feature enabled in this storage system.

**Action**
Add the FTS feature license to SCF. To obtain the necessary feature license, email licensekeys@emc.com.

ESNP0R4E

**UNABLE TO VALIDATE CONTROLLER LICENSE, CONTROLLER NOT DEFINED TO SCF - xxxxxxxx-xxxxxx**

**Cause**
An attempt to validate the storage system license failed. The device storage system is not defined to SCF.
Action
Review the SCF devices and ensure that the device is included in SCF. Correct the device reference to a valid SCF device.

ESNP0S0E

AN ENCAPSULATED FTS DEVICE IS NOT ALLOWED TO BE HAVE A SESSION WITH A VDEV

Cause
Encapsulated FTS devices may not be used with VDEV devices.

Action
Change your request to avoid using VDEV devices.

ESNP0S1E

AN ENCAPSULATED FTS DEVICE IS NOT ALLOWED TO BE THE TARGET OF A CLONE OPERATION

Cause
Encapsulated FTS devices may not be the target of clone operations.

Action
Do not use encapsulated FTS devices in the TARGET parameter of clone operations.

ESNP0S2E

INTERNAL ERROR DETECTED: errorcode RUN TERMINATED

Cause
An internal error was detected.

Action
Add GLOBAL DEBUG(EXTRA) to the failing step and rerun the failing step. Save the output and contact the Dell EMC Customer Support Center.

ESNP0T0W

LOGICAL DATAMOVER IS NOT SUPPORTED WITH SOURCE_VOLUME_LIST, IGNORED

Cause
Either DFDSS or IDCAMS was specified as a logical data mover along with using SOURCE_VOLUME_LIST.

Action
None required, the options are ignored.
More Information
If message ESNP974E occurs, you may need to specify an override in order for the
 copy to occur - TOLERATE_DATACLASS_COMPACTION_MISMATCH(YES) or
 TOLERATE_DATACLASS_EXTENDED_MISMATCH(YES)

ESNP0T1E

EXTENT_ALLOCATION IS REQUIRED WHEN USING SOURCE_VOLUME_LIST

Cause
SOURCE_VOLUME_LIST is being used and EXTENT_ALLOCATION(NO) is specified.

Action
Remove EXTENT_ALLOCATION(NO).

ESNP0U0I

DEVICE FOUND IN ADAPTIVE COPY MODE ON VOLUME vvvvvv SN ssssss-sssss/
 xxx

Cause
The device being processed was found to be in adaptive copy mode.

Action
None

ESNP0U1I

CONSISTENCY INVALID FOR VOLUME vvvvvv (SN ssssss-sssss/xxxx)

Cause
The R1 volume entry address was not found while processing an R2 volume. Due to
this fact, consistency is invalid for the volume.

Action
None

ESNP0U2I

DEVICE FOUND IN BOTH SRDF/S AND SRDF/A MODE ON VOLUME vvvvvv (SN
 ssssss-sssss/xxxx)

Cause
The device being processed was found to be in both SRDF/S and SRDF/A mode.

Action
None
**ESNP0U3I**

DEVICE FOUND IN BOTH RDF AND NON-RDF MODE ON VOLUME vvvvvv (SN ssssss-sssss/xxxxx)

**Cause**
The device being processed was found to be in both SRDF and non-SRDF mode.

**Action**
None.

---

**ESNP0U4I**

FIRST DEVICE IN SRDF/S MODE IS dev# (S/N ssssss-sssss/xxxxxxxxx)
FIRST DEVICE IN NON-RDF MODE IS dev# (S/N ssssss-sssss/xxxxxxxxx)
FIRST DEVICE IN SRDF/A MODE IS dev# (S/N ssssss-sssss/xxxxxxxxx)

**Cause**
This message displays the first source devices found in SRDF/A, SRDF/S and non-SRDF states.

**Action**
None.

---

**ESNP0U4S**

INTERNAL ERROR DETECTED, RUN TERMINATED

**Cause**
An internal error has been detected.

**Action**
Rerun with GLOBAL DEBUG(EXTRA) and send the output to the Dell EMC Customer Support Center.

---

**ESNP0U5S**

PARALLEL CLONE, UNABLE TO FIND MATCH, RUN TERMINATED

**Cause**
PARALLEL_CLONE was requested. The "other side" of the request is not found. This may be an internal error.

**Action**
Rerun with GLOBAL DEBUG(EXTRA) and send the output to the Dell EMC Customer Support center.
ESNP0V0E

NAME PARAMETER REQUIRED, MISSING

Cause
The required NAME parameter has not been specified.

Action
Specify the NAME parameter and retry.

ESNP0V2E

SNAPSHOT NAME CONTAINS INVALID VARIABLE

Cause
The snapshot name was specified using incorrect variable(s).

Action
Correct the variable specification and retry. Refer to the Dell EMC Mainframe Enablers TimeFinder SnapVX and zDP Product Guide for a list of supported variables.

ESNP0V3E

CONTROLLER MUST BE 5X77 OR HIGHER MCODE

Cause
A command was issued to a storage system with an operating environment level that does not support the command.

Action
Rerun the command to a storage system with operating environment level 5x77 or later.

ESNP0V4E

SNAPSHOT NAMES MUST BE UNIQUE FOR EACH SOURCE DEVICE

Cause
Another snapshot with the same name exists on the specified source device. Every snapshot on a given source must have a unique snapshot name.

Action
Either change the existing snapshot name, or change the newly requested snapshot name.
ESNP0V7E

**5X77 or Higher MCode Required for Name Option**

**Cause**
A command with a parameter requiring HYPERMAX OS 5977 or a later level of the operating environment was issued to a storage system running Enginuity 5876 or earlier.

**Action**
Reissue the command to a storage system running HYPERMAX OS 5977 or a later level of the operating environment, or change the command to remove the failing parameter.

ESNP0V8E

**TERMINATE_ALL(YES) and NAME(*) Cannot Both Be Specified**

**Cause**
The user has specified the Snap parameters TERMINATE_ALL(YES) and NAME(*), which are mutually exclusive.

**Action**
Either set TERMINATE_ALL(NO), or choose a specific snapshot name instead of the wildcard character "*".

ESNP0V9E

**GCM Is Set on the Target But Not the Source**

**Cause**
You have attempted to snap to a snapshot target device that has the GCM attribute set.

**Action**
Either choose a larger source device to snap to this target device, or choose a different target device that has the same size as the source.

ESNP0VAE

**SNAPSHOTID() and NAME(*) Options Cannot Both Be Specified**

**Cause**
A SnapVX command was issued and both SNAPSHOTID(snapshotid) and NAME(*) options were specified. This is not supported.

**Action**
Correct the command parameters and retry.
ESNP0X0E

INVALID RAGROUP DETECTED, FF IS NOT ALLOWED

Cause
An invalid RAGroup was detected. The value x'FF' is not allowed.

Action
Rerun with GLOBAL DEBUG(EXTRA) and submit the output to Dell EMC Customer Support.

ESNP100E

SOURCE VOLUME (volser S/N sssssss-sssss/xxxx) NOT LOCATED ONLINE, MAY NOT EXIST OR NOT DEFINED TO SCF

Cause
An online volume with the indicated volser was not found.

Action
Correct the volser, or vary the volume online.

ESNP101E

SOURCE VOLUME (volser S/N sssssss-sssss/xxxx) IS NOT AN EMC DEVICE

Cause
An online volume with the indicated volser was found, but it is not located on a Dell EMC storage system. The source volume must be a Dell EMC device for SNAP DATASET or SNAP VOLUME.

Action
Change the volser to one located on a Dell EMC device.

ESNP102E

SOURCE VOLUME (volser S/N sssssss-sssss/xxxx) MUST BE A STD DEVICE, NOT A BCV DEVICE

Cause
An online volume with the indicated volser was found on a Dell EMC storage system. The source of a SNAP DATASET or SNAP VOLUME must be defined as a standard device. The indicated volume was found to be defined as a BCV device.

Action
None.
ESNP102I

SOURCE VOLUME (volser S/N sssssss-ssssss/xxxx) MUST BE A STD DEVICE, NOT A BCV DEVICE

Cause
An online volume with the indicated volser was found on a Dell EMC storage system. The source of a SNAP DATASET or SNAP VOLUME must be defined as a standard device. The indicated volume was found to be defined as a BCV device.

Action
None.

ESNP103E

SOURCE VOLUME (volser S/N sssssss-ssssss/xxxx) MICROCODE LEVEL MUST BE AT LEAST 5265

Cause
An online volume with the indicated volser was found on a Dell EMC storage system. The operating environment level in the storage system is lower than 5265.

Action
Upgrade the operating environment level in the storage system.

ESNP104E

SOURCE VOLUME (vvvvvv S/N sssssss-ssssss/xxxx) CANNOT BE A VIRTUAL DEVICE UNLESS A DATAMOVER IS USED

Cause
A snap is specifying a virtual device as the source volume. An Enginuity snap is not supported with virtual volumes.

Action
Correct the source location, or specify a data mover.

ESNP105E

REMOTE SOURCE VOLUME (vvvvvv S/N nnnnnnn-nnnnn/nnnn) MICROCODE LEVEL MUST BE AT LEAST 5X71

Cause
A remote request specified a gateway and SRDF group that led to a remote storage system that does not have the operating environment level to support the request.

Action
Either correct either the gateway device or SRDF group to a more valid combination or upgrade the operating environment in the remote storage system to support remote operations, at least a level of 5x71.
ESNP106E

LOCAL SOURCE VOLUME (vvvvvv) MICROCODE LEVEL MUST BE AT LEAST 5X71

Cause
A local request specified a gateway that led to a storage system that does not have the operating environment level to support the request.

Action
Either correct the gateway device to a more valid combination or upgrade the operating environment in the storage system to support these operations, at least a level of 5x71.

ESNP107E

SOURCE VOLUME REQUIRED, MISSING

Cause
A request is specified that requires a source volume, and it is missing.

Action
Add the source parameter to the request.

ESNP110E

INTERNAL EXTENT TABLE SIZE EXCEEDED

Cause
Too many extents are being copied with a single command.

Action
Break up the single command into multiple commands.

ESNP111E

INTERNAL SORT FAILED WITH CODE code

Cause
The internal sort has failed with the indicated code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNP112I

COPY HAS BEEN INITIATED FOR count EXTENT(S) FROM VOLUME volser(S/N sssssss-sssss/xxxx) TO VOLUME volser(S/N sssssss-sssss/xxxx)

Cause
The storage system is now copying tracks from the indicated source volume to the indicated target volume.

Action
None.

ESNP113I

COPY HAS COMPLETED FOR # EXTENT(S) - yyyyy TRACK(S), REASON - nn FROM VOLUME volser (S/N sssssss-sssss/xxxx) TO VOLUME volser (S/N sssssss-sssss/xxxx)

Cause
The storage system has completed copying tracks from the indicated source volume to the indicated target volume.

The REASON code only appears when the operating environment operation fails and the datamover automatically takes over the copy action.

REASON codes include:

<table>
<thead>
<tr>
<th>Reason code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1F</td>
<td>The extent track is full.</td>
</tr>
<tr>
<td>22</td>
<td>No available sessions.</td>
</tr>
<tr>
<td>25</td>
<td>Some indirect tracks were found.</td>
</tr>
<tr>
<td>2C</td>
<td>Some protected tracks were found.</td>
</tr>
<tr>
<td>6E</td>
<td>Target has VDEV established.</td>
</tr>
<tr>
<td>9C</td>
<td>Target is source of clone operation.</td>
</tr>
</tbody>
</table>

Action
None.

ESNP114I

INVOKING EMCCOPY MICROCODE ASSIST

Cause
The EMCCOPY Enginuity assist has been invoked to copy tracks from a non-standard source device type to a non-standard target device type within the storage system.

Normally, Enginuity is used to instantaneously copy tracks from a standard (STD) source device type to a business continuance volume (BCV) target device type.
ESNP115I

INVOKING IBM SNAPSHOT

Cause
TimeFinder detected the source and target datasets or volumes are on a non-Dell EMC SNAPSHOT capable storage system, so SNAPSHOT is being used to make an instant copy.

Action
None.

ESNP116I

INVOKING INTERNAL EMC MANUAL TRACK COPY

Cause
The Dell EMC internal track copy routine has been invoked to copy tracks from the source device to the target device.

Action
None.

ESNP117I

INVOKING INTERNAL EMC MANUAL CYLINDER COPY

Cause
The Dell EMC internal cylinder copy routine has been invoked to copy tracks from the source device to the target device.

Action
None.

ESNP118I

INVOKING IBM FLASHCOPY

Cause
TimeFinder detected the source and target datasets or volumes are on a FLASHCOPY capable storage system, so FLASHCOPY is being used to make an instant copy.

Action
None.
ESNP119E

CONSISTENT COPY ATTEMPTED, BUT TIMEOUT OCCURRED OR UNSUPPORTED DEVICE, COPY NOT CONSISTENT

Cause
A consistent copy was requested and attempted. Although the copy completed, a timeout occurred and the copy may not be consistent. This may also occur when the storage system does not support ECA.

Action
The timeout parameter can be increased to a maximum value of 127. But this may impact applications attempting to use these devices. If the storage system does not support ECA, an operating environment upgrade may be required.

More Information
There is a GLOBAL statement parameter (ESNP119) which controls whether this situations is considered an error (GLOBAL ESNP119(ERROR)) or a warning (GLOBAL ESNP119(WARNING)) situation. This does not change the situation, it merely affects the final return code for this step where this occurs.

ESNP119W

CONSISTENT COPY ATTEMPTED, BUT TIMEOUT OCCURRED OR UNSUPPORTED DEVICE, COPY NOT CONSISTENT

Cause
A consistent copy was requested and attempted. Although the copy completed, a timeout occurred and the copy may not be consistent. This may also occur when the storage system does not support ECA.

Action
The timeout parameter can be increased to a maximum value of 127. But this may impact applications attempting to use these devices. If the storage system does not support ECA, an operating environment upgrade may be required.

More Information
There is a GLOBAL statement parameter (ESNP119) which controls whether this situations is considered an error (GLOBAL ESNP119(ERROR)) or a warning (GLOBAL ESNP119(WARNING)) situation. This does not change the situation, it merely affects the final return code for this step where this occurs.

ESNP120E

TARGET DATASET ALREADY EXISTS AND REPLACE(YES) IS NOT SPECIFIED

Cause
The SNAP DATASET command has failed because the target dataset already exists.

Action
To automatically replace the target dataset, specify REPLACE(YES) on the command.
ESNP121I

DSNAME: dsname

Cause
This message immediately follows message ESNP120E and indicates the name of the target dataset which already exists.

Action
Refer to message ESNP120E.

ESNP122E

TARGET VOLUME CONTAINS DATASETS AND REPLACE(YES) IS NOT SPECIFIED - VOLUME: volser

Cause
The SNAP VOLUME command has failed because the target volume contains datasets.

Action
To automatically overlay the target volume datasets with the source volume, specify REPLACE(YES) on the command.

ESNP130E

TARGET UNITNAME (unitname) INVALID, RC: rc RS: reason

Cause
The UNITNAME parameter was specified on a SNAP DATASET command. The indicated unitname was not recognized by z/OS.

Action
Correct the unitname value.

ESNP140E

ERROR OCCURRED ISSUING ENQ FOR DATASET dsname ENQ RC: rc

Cause
An ENQ for the indicated dataset failed.

Action
None.
ESNP141E

UNABLE TO OBTAIN EXCLUSIVE ENQ FOR DATASET dsname RC: rc

Cause
An EXCLUSIVE ENQ for the indicated dataset failed. HOSTCOPYMODE(EXCLUSIVE) was indicated, the dataset was not exclusively available, and ENQWAIT(NO) was specified. TOLERATEENQFAILURE(NO) was also specified.

Action
Because TOLERATEENQFAILURE(NO) was specified, processing for this dataset stops. If the dataset does not need to be exclusively accessed, change the HOSTCOPYMODE to either SHARED or NONE or specify TOLERATEENQFAILURE(YES).

ESNP142E

UNABLE TO OBTAIN SHARED ENQ FOR DATASET dsname RC: rc

Cause
A SHARED ENQ for the indicated dataset failed. HOSTCOPYMODE(SHARED) was indicated, the dataset was not available, and ENQWAIT(NO) was specified. TOLERATEENQFAILURE(NO) was also specified.

Action
Since TOLERATEENQFAILURE(NO) was specified, processing for this dataset will stop. For processing to continue, change HOSTCOPYMODE to NONE or specify TOLERATEENQFAILURE(YES).

ESNP143W

UNABLE TO OBTAIN EXCLUSIVE ENQ FOR DATASET dsname

Cause
An EXCLUSIVE ENQ for the indicated dataset failed. HOSTCOPYMODE(EXCLUSIVE) was indicated and the dataset was not exclusively available. TOLERATEENQFAILURE(YES) was specified so processing will continue.

Action
None.

ESNP144W

UNABLE TO OBTAIN SHARED ENQ FOR DATASET dsname

Cause
A SHARED ENQ for the indicated dataset failed. HOSTCOPYMODE(SHARED) was indicated and the dataset was not exclusively available. TOLERATEENQFAILURE(YES) was specified so processing continues.
ESNP145I

Waiting for exclusive ENQ for dataset dsname

Cause
An exclusive ENQ for the indicated dataset has been issued. However, it is not immediately available; ENQWAIT(YES) was specified, processing waits until the dataset is exclusively available.

Action
None.

ESNP146I

Waiting for shared ENQ for dataset dsname

Cause
A shared ENQ for the indicated dataset has been issued. However, it is not immediately available; ENQWAIT(YES) was specified, therefore processing waits until the dataset is available.

Action
None.

ESNP150E

Target dataset already exists and REPLACE(YES) is not specified - DSNAME: dsname

Cause
The SNAP DATASET command has failed because the target dataset already exists.

Action
To automatically replace the target dataset, specify REPLACE(YES) on the command.

ESNP151I

Target dataset already exists and REPLACE(YES) is specified, dataset will be deleted

Cause
The target dataset already exists and REPLACE(YES) is specified. The existing target dataset will be deleted.

Action
None.
ESNP152I

DSNAME: dsname

Cause
This message immediately follows message ESNP151I or ESNP153E and identifies the target dataset.

Action
Refer to message ESNP151I or ESNP153E.

ESNP153E

TARGET DATASET ALREADY EXISTS AND REPLACE(YES) IS SPECIFIED.

Cause
The target dataset already exists and REPLACE(YES) is specified. But the target dataset does not reside on a BCV volume. The target dataset will not be deleted.

Action
Manually delete the indicated target dataset.

ESNP154E

BUT DATASET DOES NOT RESIDE ON A BCV VOLUME, UNABLE TO DELETE DATASET

Cause
This is a continuation of message ESNP153E.

Action
Refer to message ESNP153E.

ESNP155E

TARGET DATASET ALREADY EXISTS, BUT HAS BEEN MIGRATED

Cause
The intended target dataset already exists, but it has been migrated. Unable to replace/delete the dataset unless it resides on a BCV device.

Action
Either uncatalog the dataset or migrate the dataset back to a BCV device.

More Information
The site options table (EMCSNAPO) dictate whether this is considered a warning or an error. Refer to the site options parameter MIGRATRC, which may be set to a value of 4 or 8. The default is 8 and will produce message ESNP155E. If 4 is selected, message ESNP155W will be used instead.
ESNP155W

TARGET DATASET ALREADY EXISTS, BUT HAS BEEN MIGRATED

Cause
The intended target dataset already exists, but it has been migrated. Unable to replace/delete the dataset unless it resides on a BCV device.

Action
Either uncatalog the dataset or migrate the dataset back to a BCV device.

More Information
The site options table (EMCSNAPO) dictate whether this is considered a warning or an error. Refer to the site options parameter MIGRATRC, which may be set to a value of 4 or 8. The default is 8 and will produce message ESNP155E. If 4 is selected, message ESNP155W will be used instead.

ESNP156E

TARGET DATASET IS CATALOGUED TO A VOLUME WHICH IS NOT ONLINE

Cause
The target dataset is not mounted on an available device. It cannot be scratched or reused.

Action
Mount the volume containing the desired target dataset or uncatalog the dataset.

ESNP157I

TARGET DATASET ALREADY EXISTS AND IS NOT REUSABLE

Cause
The target dataset already exists, and REPLACE(YES) and REUSE(YES) have been specified. The dataset must meet the following criteria to be reusable.

- VSAM source must match VSAM target. Non-VSAM source must match non-VSAM target.
- Dataset type (DSORG) of the source dataset must match the dataset type of the target dataset.
- Stripe count must be identical.
- Neither the source or target VSAM KSDS dataset may use IMBED or REPLICATE.
- The target dataset must be at least as large as the source dataset.

Action
The target dataset will be erased and a new target dataset will be allocated.
ESNP158E

TARGET DATASET ALREADY EXISTS AND IS NOT REUSABLE

Cause
The target dataset already exists, and REPLACE(YES) and REUSE(YES) have been specified. The dataset must meet the following criteria to be reusable.

- VSAM source must match VSAM target. Non-VSAM source must match non-VSAM target.
- Dataset type (DSORG) of the source dataset must match the dataset type of the target dataset.
- Stripe count must be identical.
- Neither the source or target VSAM KSDS dataset may use IMBED or REPLICATE.
- The target dataset must be at least as large as the source dataset.

Action
Make the appropriate changes to the source and/or target datasets to meet the reusable criteria. To replace the target dataset instead of reusing it, use the REPLACE(YES) and REUSE(NO) parameters.

ESNP159E

TARGET DATASET IS CATALOGUED TO A TAPE VOLUME, UNABLE TO DELETE DATASET

Cause
The target dataset already exists and is cataloged to a tape volume.

Action
Manually uncatalog the target dataset, or change the target dataset name.

ESNP160E

TARGET UNITNAME (unitname) INVALID, RC: rc RS: reason

Cause
The UNITNAME parameter was specified on a SNAP DATASET command. The indicated unitname was not recognized by z/OS.

Action
Correct the unitname value.

ESNP170E

ERROR RETURNED FROM DEVTYPE WHILE PROCESSING VOLUME volser (S/N sssssss-ssssss/xxxx) RC: rc
Cause
A request to z/OS to obtain the device type information about the indicated volume failed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP171E

I/O ERROR OCCURRED WHILE CHECKING MICROCODE PATCHES FOR VOLUME volser (S/N sssssss-ssssss/xxxx) RC: rc

Cause
An I/O error occurred while obtaining the operating environment level and list of applied patches.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP172E

MICROCODE LEVEL level REQUIRED, VOLUME volser (S/N sssssss-ssssss/xxxx) AT AN INSUFFICIENT LEVEL

Cause
The storage system is not at the required operating environment level.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP173E

SOME REQUIRED MICROCODE PATCHES ARE MISSING ON VOLUME volser (S/N sssssss-ssssss/xxxx)

Cause
The storage system is at the required operating environment level, but some required patches are missing.
**ESNP174E**

**REQUIRED MICROCODE PATCH patch MISSING**

**Cause**
This message follows message ESNP173E and identifies the missing patch(es).

**Action**
Refer to message ESNP173E.

**ESNP175E**

**UNABLE TO SNAP AN FBA DEVICE - volser (S/N ss****ss=ssss/xxxx)**

**Cause**
A request to snap an FBA device was encountered. The SITE options table does not allow snapping of an FBA device.

**Action**
Contact your site administrator to enable this option in the Site options table.

**ESNP176E**

**UNDER VM, VOLUME vvvvvv(S/N ss****ss-ssss/xxxx) MUST BE A DEDICATED DEVICE**

**Cause**
The requested volume is not a VM dedicated device. The syscall interface is not supported by VM.

**Action**
Another device must be used or the device must be made a VM dedicated device.

**ESNP177E**

**ERROR RETURNED FROM FC01 REQUEST, RC: xx R0/R1: xxxxxxxx/xxxxxxx**

**Cause**
An error occurred attempting to validate the device.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNP178E

UNABLE TO SNAP A COVID DEVICE - volser (S/N sssssss=ssss/xxxx)

Cause
An attempt was made to snap a COVID device. This action is not supported.

Action
Use a different device. COVID devices are not supported by TimeFinder.

ESNP179E

UNABLE TO SNAP A MIGRATION DEVICE - volser (S/N sssssss=ssss/xxxx)

Cause
An attempt was made to snap a device in Migration Mode. This action is not supported.

Action
Use a different device or take the device out of migration mode.

ESNP180E

MULTIPLE SOURCE MATCHES FOUND, BUT TARGET NAME IS NOT WILDCARDED

Cause
The source dataset name specified on the SNAP DATASET command resulted in multiple source datasets being selected for copying, but the target dataset name specified was not wildcarded and a unique target dataset name cannot be determined for each of the selected source datasets.

Action
Correct the source dataset name to limit the datasets being selected, or change the target dataset name mask to allow unique target dataset names to be generated for each of the selected source datasets.

ESNP181I

SOURCE MATCHES ARE:

Cause
This message is produced immediately after ESNP180E and prior to ESNP182I. Refer to ESNP180E for further information.

Action
None
ESNP182I

*dsname*

**Cause**
This is a continuation of message ESNP181I.

**Action**
Refer to message ESNP180E.

ESNP183E

**CATALOG(NO) SPECIFIED, BUT NOT SUPPORTED**

**Cause**
CATALOG(NO) parameter was specified on the SNAP DATASET command. This parameter is not supported.

**Action**
Remove the CATALOG(NO) parameter.

ESNP184E

**RELATE PARAMETER CANNOT BE USED WITH WILD SOURCE OR TARGET NAMES**

**Cause**
The RELATE parameter has been specified on the SNAP DATASET command. Either (or both) SOURCE and TARGET parameters have been specified with wild card characters. The RELATE parameter is only allowed with specific SOURCE and TARGET specifications.

**Action**
Correct the SOURCE and/or TARGET parameter to specifically identify the source and target datasets.

ESNP185E

**RELATE PARAMETER SPECIFIED FOR DATASET: *dsname***

**Cause**
The RELATE parameter has been specified for the identified source dataset. The RELATE parameter may only be used with an Alternate Index (AIX) dataset. The identified source dataset is not an AIX.

**Action**
Either remove the RELATE parameter or correct the source dataset name.
ESNP186E

SOURCE(DSNAME) AND INDDNAME(DDNAME) ARE MUTUALLY EXCLUSIVE

Cause
Both SOURCE and INDDNAME parameters have been used to identify the source for a SNAP DATASET operation.

Action
Remove one of the parameters.

ESNP187E

TARGET(DSNAME) AND OUTDDNAME(DDNAME) ARE MUTUALLY EXCLUSIVE

Cause
Both TARGET and OUTDDNAME parameters have been used to identify the target for a SNAP DATASET operation.

Action
Remove one of the parameters.

ESNP188W

NO DATASETS MATCHING SOURCE DATASET NAME WERE SELECTED FOR PROCESSING

Cause
Either the specified source dataset mask did not match any datasets, or datasets were found that may not meet certain selection criteria.

Action
Refer to messages immediately prior to this message in the output log.

ESNP190I

BCVGROUP PARSING BEGINNING

Cause
The BCVGROUP input file parsing is beginning.

Action
None.

ESNP191I

BCVGROUP STATEMENT # number
Cause
Parsing of the next input BCVGROUP command is beginning.

Action
None.

ESNP192E

BCVGROUP COMMAND FORMAT INVALID

Cause
A syntax error was detected while parsing a BCVGROUP command.

Action
Correct the syntax error.

ESNP193E

BCVGROUP NAME MISSING, REQUIRED

Cause
The BCVGROUP name is a required parameter on the BCVGROUP command.

Action
Correct the BCVGROUP command by adding the BCVGROUP name.

ESNP197I

BCVGROUP PARSE COMPLETE

Cause
Parsing of the input BCVGROUP file is complete.

Action
None.

ESNP198E

BCVGROUP PARSE COMPLETED WITH ERRORS, RUN TERMINATED

Cause
An error was detected while parsing the input BCVGROUP commands.

Action
Correct the previously identified errors and submit again.
**ESNP1A4I**

PROCESSING FOR STATEMENT `stat#` BEGINNING, `command-text`

**Cause**
Statement `stat#` for command `command-text` has been passed to API for processing

**Action**
None.

---

**ESNP1AAI**

TOTAL NUMBER OF QUERY RESULTS:

<table>
<thead>
<tr>
<th>snapshot_count</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRC</td>
</tr>
<tr>
<td>------</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

**Cause**
This message displays the results returned by the QUERY SNAPSHOT, QUERY FREE, or QUERY VOLUME command.

For explanation of fields, refer to the description of the QUERY SNAPSHOT/QUERY FREE command in the Dell EMC Mainframe Enablers TimeFinder SnapVX and zDP Product Guide.

**Action**
None.

---

**ESNP1AFE**

ERROR GETTING DEVICE DEFINITION STATUS, RC=`rc`

**Cause**
This can occur when a quick configuration check fails because the device is not in the ready state.

**Action**
Ensure that the device is ready and then repeat the configuration check.

---

**ESNP1AGI**

WAITING FOR TARGET TO BE FULLY DEFINED, DEVICE#:`dev#` VOLSER:`volser` S/N:`serial#`
**ESNP1ALW**

**LINK TARGET HOLD STATUS IS NOT RECEIVED FOR REQUESTED DEVICE(S)**

**Cause**
An attempt to obtain the target hold status for the requested devices has failed.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

**ESNP1B0E**

**TARGET DEVICE IS ALREADY A TARGET**

**Cause**
The target of a snap operation is already the target for another source.

**Action**
Remove the existing source to target relationship before attempting to use the target device.

**ESNP1B2E**

**CONSISTENT ACTIVATE INCLUDES MULTIPLE SRDF/A GROUPS WITHOUT MSC, CONSISTENCY CANNOT BE ASSURED**

**Cause**
A consistent ACTIVATE was requested, but the devices included in the ACTIVATE span multiple SRDF/A groups that are not under the control of MSC (Multi-Session Consistency). MSC assures consistency between multiple SRDF groups.

**Action**
Either change your request to remove any devices that are in SRDF groups not under the control of MSC, or place all of the SRDF groups for your requested devices under the control of MSC.

**ESNP1B4E**

**DEVICE TO UNLINK IS NOT LINKED**
Cause
An unlink command was issued against a device that was not currently linked.

Action
Issue a QUERY SNAPSHOT command to the target device and verify it is linked before issuing an UNLINK command to that device.

If you have verified the target device is in fact linked and the unlink command is still issuing this error message, contact Dell EMC Technical Support.

ESNP1B4W
ATTEMPTING TO UNLINK BUT NO LINKS EXIST

Cause
An UNLINK was attempted against a device that has no existing links.

Action
None.

ESNP1B5W
ATTEMPTING TO TERMINATE A NON-EXISTING SNAPSHOT

Cause
An attempt was made to terminate a snapshot that does not exist.

Action
None.

ESNP1B6E
EMC SNAP API - ERROR UNLINKING SOFTRESTORED SNAPSHOT

Cause
An attempt was made to unlink a restored device with SOFTRESTORE(NO) specified, or to unlink a non-restored device with SOFTRESTORE(YES) specified.

Action
Correct the specification and retry.

ESNP1B7E
Target is not linked with SNAPSHOT which has been specified in NAME() parameter.

Cause
The STOP SNAP TO VOLUME command with the NAME() parameter was issued against a device which has no LINKED snapshot with the specified name.
Action
Check the state of the snapshot. Ensure the snapshot is linked before trying to unlink. The snapshot should not be hardlinked. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP1C0I

BEGINNING META DEVICE ANALYSIS

Cause
A meta device was detected in the request stream. The meta device analysis will ensure that all members of a logical meta device have been selected for processing.

Action
None

ESNP1C1E

MISSING "SNAP VOLUME" FOR META MEMBERS – CONTROLLER=system# SRC MEMBER#:symmdevice# TGT MEMBER#:symmdevice#

Cause
Meta Device Analysis has found that a member of the source and target are not being processed in the input stream.

Action
The meta device members must be processed in the correct sequence and all of the members must be selected for processing. Add a SNAP VOLUME statement for the missing members and resubmit.

ESNP1C2E

STATEMENT #number SOURCE IS META HEAD DEVICE, TARGET IS NOT

Cause
Meta Device Analysis has determined that the source device in this request is a meta head device, and the target device is not.

Action
Meta devices must be copied to meta devices. They must have the same geometry, same number of members, the members must be the same size, and the must use the same stripe method.

ESNP1C3E

STATEMENT #number TARGET IS META HEAD DEVICE, SOURCE IS NOT
**Cause**
Meta Device Analysis has determined that the target device in this request is a meta head device, and the source device is not.

**Action**
Meta devices must be copied to meta devices. They must have the same geometry, same number of members, the members must be the same size, and the must use the same stripe method.

---

**ESNP1C4I**

**STATEMENT #number BEGINNING META DEVICE ANALYSIS**

**Cause**
Meta Device Analysis is beginning for the identified statement.

**Action**
None.

---

**ESNP1C5I**

**CONTROLLER: system_serial# SOURCE DEVICE#: symmdevice# TARGET DEVICE#: symmdevice#**

**Cause**
This is a continuation of ESNP1C4I. This identifies the storage system and devices being analyzed.

**Action**
None.

---

**ESNP1C6E**

**SOURCE META HEAD DEVICE#: symmdevice# - DOES NOT MATCH RETRIEVED META HEAD DEVICE#: symmdevice#**

**Cause**
An internal error has been detected. The device is identified as the head of a meta logical device, but the meta information does not match.

**Action**
Contact Dell EMC Technical Support for assistance.

---

**ESNP1C7E**

**TARGET META HEAD DEVICE#: symmdevice# - DOES NOT MATCH RETRIEVED META HEAD DEVICE#: symmdevice#**
Cause
An internal error has been detected. The device is identified as the head of a meta logical device, but the meta information does not match.

Action
Contact Dell EMC Technical Support for assistance.

ESNP1C8E

THE META HEADS DO NOT HAVE THE SAME NUMBER OF MEMBERS - SRC: ## TGT: ##

Cause
The two meta head devices selected do not have the same number of members.

Action
The number of meta members for the source and the target are identified. For meta logical devices, you must copy to identical configurations.

ESNP1C9E

THE META HEADS DO NOT HAVE THE SAME NUMBER OF STRIPES - SRC:## TGT: ##

Cause
The two meta head devices selected do not have the same number of stripes.

Action
The type of striping used with the meta device for the source and the target are identified. For meta logical devices, you must copy to identical configurations.

ESNP1D0I

VERIFY META MEMBERS ARE ALSO PROCESSED - CONTROLLER=sysmdevice# SRC MEMBER#:symmdevice# TGT MEMBER#:symmdevice#

Cause
A request to processing a request to "SNAP VOLUME" a meta head device has been encountered during Meta Device Analysis. Now we are verifying that each meta member for both the source and target also have a request in the input jobstream. The meta members being checked are identified.

Action
None.

ESNP1D1E

STATEMENT #nnn VOLUME vol_info META MEMBER, META HEAD MUST BE ALSO PROCESSED.
Cause
A "SNAP VOLUME" statement was encountered in the input stream that references a FBA meta member.

Action
Meta members may only be copied when all meta member and the meta head device are being copied. They whole logical meta device must be copied together. A "SNAP VOLUME" statement is required for the meta head device, and ALL meta member devices.

ESNP1E0E

SNAPSHOT NAME snapshotname CONTAINS AN INVALID CHARACTER

Cause
The snapshot name you specified contains an invalid character.

Action
Correct the snapshot name so that it does not include any invalid characters.

ESNP1E3E

PERIODS ARE ONLY ALLOWED IN SNAPSHOT NAME WHEN ZDP(YES) SPECIFIED

Cause
The snapshot name you specified contains a period and ZDP(NO) is set, which is not allowed.

Action
Specify a snapshot name that does not contain a period or set ZDP(YES), then retry.

ESNP1F2E

RESTORE_CREATE_NAME SHOULD BE SPECIFIED WITH RESTORE_CREATE(Y)

Cause
The RESTORE_CREATE parameter or the matching site option was set to YES but the RESTORE_CREATE_NAME parameter was not specified.

Action
Specify the RESTORE_CREATE_NAME parameter and retry.

ESNP1I0W

A QUERY VOLUME REQUIRED PARAMETER WAS NOT PROVIDED

Cause
A QUERY VOLUME command was issued but a required parameter was not specified. The command failed.
ESNP1I1I

QUERY BY CCUU ISSUED - DISPLAY_CUU CHANGED TO YES

Cause
The DISPLAY_CUU parameter value has been changed to YES due to a query command issued using the CCUU parameter.

Action
None.

ESNP1I2E

ATTEMPTING TO CREATE A SECURE SNAPSHOT ON THE SYMMETRIX THAT IS OUT OF SRP

Cause
This message appears when attempting to create a secure snapshot but the SRP is out of available capacity.

1 to 80% of SRP capacity can be reserved for host I/O (the default is 10%). If the allocated capacity percentage is higher than '100% - reserved capacity %' (default is 90%), secure snapshot creation is blocked and this message appears.

Action
Check the SRP using the QUERY SRP command described in the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide. Review the allocated and reserved capacity percentages. If necessary, issue the SET SRP command with the RESV_CAP parameter to lower the reserved capacity percentage.

Free any unused volumes that has allocations in this SRP using the SnapVX FREE command to free some capacity, as described in Dell EMC Mainframe Enablers TimeFinder SnapVX and zDP Product Guide.

ESNP1J0I

SETTING WAIT_FOR_DEFINITION(NO) DUE TO FREE=YES PARM

Cause
The WAIT_FOR_DEFINITION parameter has been set to NO on the current command because FREE=YES was specified for the command.

Action
None.
ESNP1K0E

FREE OPERATION IS NOT ALLOWED ON AN RDF DEVICE

Cause
A FREE operation was requested but the specified device is an SRDF device. FREEing SRDF devices is not allowed.

Action
Correct device specification and retry.

ESNP1L0I

SRP# srp# USAGE INFORMATION FOR CUU:cuu SER#:SymmID MHOP:hoplist
CAPACITY/USED TRKS:capacity/used-tracks SRP % USED TOT/CKD/FBA:nnn
%/nnn%/%nn% SNAPSHOT TRKS:number-of-tracks RESRVD CAP:nnn%

Cause
Shows summary usage information for a storage resource pool (SRP) used as a target during a LINK operation.

You can skip displaying this message by specifying the SKIP option on the GLOBAL SRP_PERCENT parameter, as described in the Dell EMC Mainframe Enablers TimeFinder SnapVX and zDP Product Guide

Note
If the MHOP value is equal to all FF, then the storage system being accessed is locally attached to the LPAR and the CUU is on the storage system you are attempting to access.

Action
None.

ESNP200E

INSUFFICIENT AUTHORITY TO action VOLUME volser

Cause
A security check was made to determine whether this job has the authority to perform the indicated action on the indicated volser. The ACTION will be READ for the source volume or ALTER for the target volume.

Action
Obtain the proper authority to perform the requested action.
ESNP210I

RESET EXTENT TRACK COMPLETED

Cause
An extent track diagnostic command has completed.

Action
None.

ESNP220E

SOURCE DATASET HAS NO EXTENTS

Cause
A SNAP DATASET command has specified a dataset which has no extents.

Action
Review the source dataset to determine why it has no allocated space.

More Information
GLOBAL and SNAP DATASET parameter ESNP220 control whether this is an error or a warning. As an error, it will terminate processing and end with a rc=8. As a warning, the dataset will be ignored (skipped) and processing will continue with other datasets, ending with a rc=4.

ESNP220W

SOURCE DATASET HAS NO EXTENTS

Cause
A SNAP DATASET command has specified a dataset which has no extents.

Action
Review the source dataset to determine why it has no allocated space.

More Information
GLOBAL and SNAP DATASET parameter ESNP220 control whether this is an error or a warning. As an error, it will terminate processing and end with a rc=8. As a warning, the dataset will be ignored (skipped) and processing will continue with other datasets, ending with a rc=4.

ESNP221E

SOURCE DATASET IS CATALOGUED TO A VOLUME WHICH IS NOT ONLINE

Cause
A SNAP DATASET command has specified a dataset catalogued to a volume which is not online.
ESNP222E

**Action**
Vary the volume containing the dataset online.

**ESNP222E**

**SOURCE DATASET NOT FOUND ON CATALOGUED VOLUME**

**Cause**
A SNAP DATASET command has specified a dataset which is catalogued on a volume, but the dataset is not found in the volume table of contents.

**Action**
Correct the catalog entry for the indicated dataset.

ESNP223E

**SOURCE DATASET HAS BEEN MIGRATED**

**Cause**
A SNAP DATASET command specifies a dataset which is migrated.

**Action**
Restore the migrated dataset.

**More Information**
The site options table (EMCSNAPO) dictate whether this is considered a warning or an error. Refer to the site options parameter MIGRATRC, which may be set to a value of 4 or 8. The default is 8 and will produce message ESNP223E. If 4 is selected, message ESNP223W will be used instead.

ESNP223W

**SOURCE DATASET HAS BEEN MIGRATED**

**Cause**
A SNAP DATASET command specifies a dataset which is migrated.

**Action**
Restore the migrated dataset.

**More Information**
The site options table (EMCSNAPO) dictate whether this is considered a warning or an error. Refer to the site options parameter MIGRATRC, which may be set to a value of 4 or 8. The default is 8 and will produce message ESNP223E. If 4 is selected, message ESNP223W will be used instead.

ESNP224I

**DATASET MUST BE RESTORED BEFORE COPYING**

**ESNP222E** 1773
ESNP225E

ALL OF THE SOURCE DATASET EXTENTS MUST RESIDE IN THE SAME SYMMETRIX CONTROL UNIT

Cause
All of the extents for the source dataset must reside within the same storage system.

Action
Make sure that all of the extents for the source dataset reside in the same storage system.

ESNP226E

ALL OF THE SOURCE DATASET EXTENTS MUST BE THE SAME DEVICE TYPE

Cause
All of the extents for the source dataset must be the same device type. For instance, all extents must be on a 3380 device, or all extents on a 3390 device.

Action
Make sure that all of the extents for the source dataset reside on the same device type.

ESNP227E

ALL OF THE SOURCE DATASET EXTENTS MUST HAVE THE SAME TRACK SIZE

Cause
All of the extents for the source dataset must be on devices with the same track size.

Action
Make sure that all extents for the source dataset reside on devices with the same track size.

ESNP228I

DSNAME:

Cause
This message immediately follows another message and identifies the source dataset with the error.
**ESNP229I**

**SOURCE DATASET IS CATALOGUED TO A TAPE VOLUME, IGNORED**

**Cause**  
The source dataset is catalogued to a tape volume.

**Action**  
The source dataset will be ignored. To snap this file, you must first locate it on a DASD device. Message ESNP229I is followed by message ESNP228I that identifies the source dataset.

**ESNP230E**

**ERROR RETURNED FROM EXTENTS PROGRAM – RC: \( rc \) RS: \( reason \)**

**Cause**  
An internal error was detected by the EXTENTS program.

**Action**  
The Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide lists the EXTENT error codes.

**ESNP231E**

**NO DATASETS FOUND MATCHING SOURCE DATASET NAME**

**Cause**  
A SNAP DATASET command specified a source dataset name which does not match any names in the system catalog.

**Action**  
Correct the SNAP DATASET command source dataset name.

**More Information**  
Site parameter ESNP231E controls whether message ESNP231E is issued, which terminated the request. Or ESNP231W is issued, which allows processing to continue. Refer to the site parameters for more information.

**ESNP231W**

**NO DATASETS FOUND MATCHING SOURCE DATASET NAME**

**Cause**  
A SNAP DATASET command specified a source dataset name which does not match any names in the system catalog.
**Action**
Correct the SNAP DATASET command source dataset name.

**More Information**
Site parameter ESNP231E controls whether message ESNP231E is issued, which terminated the request. Or ESNP231W is issued, which allows processing to continue. Refer to the site parameters for more information.

### ESNP232E

**TWO MANY DATASETS FOUND MATCHING DATASET NAME, BE MORE EXPLICIT**

**Cause**
A SNAP DATASET command specified a wild carded source dataset name. Too many matches were encountered.

**Action**
Break up the single command into multiple commands.

### ESNP233E

**INVALID MASK SPECIFIED FOR DATASET**

**Cause**
A SNAP DATASET command specified a wild-carded source dataset name. The source dataset name contained an invalid wild card mask.

**Action**
Correct the source dataset name.

### ESNP234E

**DATASET OCCUPIES NO SPACE (0 TRACKS)**

**Cause**
A SNAP DATASET command specified a source dataset name for a dataset that has no space allocated.

**Action**
Datasets with no space allocated cannot be copied.

### ESNP240E

**UNABLE TO PROCEED WITH TARGET DATASET ALLOCATION**

**Cause**
Allocation of the target dataset cannot occur because the source dataset is not supported.
ESNP241E

**Action**
This message is immediately followed by another message containing the reason why the source dataset is not supported. Refer to message, ESNP241E.

**ESNP241E**

**Cause**
The indicated dataset has DSORG=U. This is not a supported dataset type.

**Action**
Do not attempt to copy a dataset with DSORG=U.

ESNP242E

**Cause**
The indicated dataset was allocated with absolute allocation. This is not a supported dataset type.

**Action**
Do not attempt to copy a dataset allocated with absolute allocation.

ESNP243E

**Cause**
The indicated dataset is an ISAM dataset. This is not a supported dataset type.

**Action**
Do not attempt to copy an ISAM dataset.

ESNP244E

**Cause**
The indicated dataset is an Open Edition HFS dataset. This is not a supported dataset type.

**Action**
Do not attempt to copy an Open Edition HFS dataset.
ESNP245E

SOURCE DATASET IS A PAGE OR SWAP DATASET - DSNAME: dsname

Cause
The indicated dataset is a page or swap dataset. This is not a supported dataset type.

Action
Do not attempt to copy a page or swap dataset.

ESNP246E

SOURCE DATASET HAS IMBED SPECIFIED - DSNAME: dsname

Cause
The indicated dataset is a VSAM dataset with the IMBED option. This is not a supported dataset type.

Action
To copy this type of dataset, you must specify DATAMOVERNAME(DFDSS).

ESNP246I

SOURCE DATASET HAS IMBED SPECIFIED - DSNAME: dsname

Cause
The indicated dataset is a VSAM dataset with the IMBED option. Because DATAMOVERNAME(DFDSS) was specified, this dataset will be copied using that datamover.

Action
None.

ESNP247E

SOURCE DATASET HAS REPLICATE SPECIFIED - DSNAME: dsname

Cause
The indicated dataset is a VSAM dataset with the REPLICATE option. This is not a supported dataset type.

Action
To copy this type of dataset, you must specify DATAMOVERNAME(DFDSS).
ESNP247I

SOURCE DATASET HAS REPLICATE SPECIFIED - DSNAME: dsname

Cause
The indicated dataset is a VSAM dataset with the REPLICATE option. Because DATAMOVERNAME(DFDSS) was specified, this dataset will be copied using that datamover.

Action
None.

ESNP248E

SOURCE DATASET IS UNDEFINED - DSNAME: dsname

Cause
The indicated dataset type is undefined. This is not a supported dataset type.

Action
To copy this type of dataset, you must specify DATAMOVERNAME(DFDSS).

ESNP248I

SOURCE DATASET IS UNDEFINED - DSNAME: dsname

Cause
The indicated dataset type is undefined. Because DATAMOVERNAME(DFDSS) was specified, this dataset will be copied using that datamover.

Action
None.

ESNP249E

SOURCE DATASET IS EXTENDED FORMAT VSAM - DSNAME: dsname

Cause
The indicated dataset is an extended format VSAM dataset. This is not a supported dataset type.

Action
Do not attempt to copy an extended format VSAM dataset.
ESNP250E

TARGET VOLUME NOT AVAILABLE FOR SNAP VOLUME, MUST FIRST BE RELEASED

Cause
The target volume for a SNAP VOLUME command has been held. The hold may have been manually requested through TimeFinder, or automatically held from a previous SNAP VOLUME.

Action
The target volume must be released through TimeFinder before the SNAP VOLUME can use it.

If this message appears when you attempt to SNAP VOLUME to a FlashCopy target, remove the FlashCopy relationship and retry.

ESNP260E

READ FOR TARGET DATASET DSCB FAILED, CVAFDIR RC: rc

Cause
An attempt to read the target dataset DSCB has failed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP261E

WRITE FOR TARGET DATASET DSCB FAILED, CVAFDIR RC: rc

Cause
An attempt to write the target dataset DSCB has failed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP262I

TARGET DATASET NAME: dsname VOLSER: volser
ESNP270E

READ FOR SOURCE DATASET DSCB FAILED, CVAFDIR RC: rc

Cause
An attempt to read the source dataset DSCB has failed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP271I

SOURCE DATASET NAME: dsname VOLSER: volser

Cause
This message immediately follows message ESNP270E and identifies the source dataset.

Action
Refer to message ESNP270E.

ESNP280E

READ OF VVDS RECORDS FAILED, RC: rc

Cause
An attempt to read the VVDS record for the source dataset has failed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP281I

SOURCE DATASET NAME: dsname VOLSER: volser
Cause
This message immediately follows message ESNP280E and identifies the source dataset.

Action
Refer to message ESNP280E

ESNP290E

TARGET DATASET ALLOCATED, BUT IT IS TOO SMALL - DSNAME: dsname

Cause
The indicated target dataset has been allocated, but it is not as large as the source dataset. All attempts to expand the dataset to the proper size failed. This source dataset is not copied.

Action
Make sure that the target volume has enough space for the target dataset. You must provide more space on the target volume, or provide alternate or additional volumes. For non-VSAM files, you may specify the TOLERATETRUNCATION(YES) parameter to allow the copy to proceed using the allocated space.

ESNP291W

TARGET DATASET IS NOT AS LARGE AS SOURCE DATASET - DSNAME: dsname

Cause
The indicated target dataset has been allocated, but it is not as large as the source dataset. All attempts to expand the target dataset to the proper size failed. The TOLERATETRUNCATION(YES) parameter was specified, so the dataset is copied using the allocated space.

Action
None.

ESNP292W

DATA LOSS MAY OCCUR, BUT TOLERATETRUNCATION(YES) HAS BEEN SPECIFIED

Cause
This message is a continuation of message ESNP291W.

Action
Refer to message ESNP291W.

ESNP293W

PARTITIONED DATASET AND TARGET FIRST EXTENT IS SMALLER THAN THE SOURCE DATASET FIRST EXTENT
Cause
The partitioned dataset access method requires that the member directory reside within the first extent. The allocated target dataset first extent is not as large as the source dataset first extent. For performance reasons, the size of the member directory is not automatically checked. It is possible that the directory is not fully contained in the first extent.

Action
Review the target member directory and make sure that the entire directory is contained within the first extent.

ESNP294I

POTENTIAL DIRECTORY PROBLEM - DSNAME: dsname

Cause
This message is a continuation of message ESNP293W.

Action
Refer to message ESNP293W.

ESNP295I

DATASET ALLOCATED SUCCESSFULLY

Cause
The target dataset has been successfully allocated.

Action
None.

ESNP296E

NOT ENOUGH SPACE ON VOLUME TO ALLOCATE DATASET

Cause
There is not enough space on the target volume to allocate the target dataset.

Action
Make sure that the target volume has enough space for the dataset. It is necessary to provide more space on the target volume, or provide alternate or additional volumes.

ESNP297E

INTERNAL ERROR DETECTED

Cause
An internal error was detected while building dynamic text for SVC 99.
**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

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**ESNP298E**

**Cause**
The attempt to dynamically allocate the target dataset failed.

**Action**
Review the dynamic allocation message log and correct the indicated problem.

---

**ESNP299E**

**Cause**
The z/OS TRKCALC service failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

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**ESNP300I**

**Cause**
Allocation of the indicated target dataset name is occurring.

**Action**
None.

---

**ESNP310E**

**Cause**
The indicated type of VSAM file is not recognized or supported.
Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP311E

IDCAMS FAILED WITH RC: rc WHILE DEFINING DATASET: dsname

Cause
The IDCAMS allocation of the indicated dataset failed.

Action
Review the IDCAMS allocation message log and correct the indicated problem.

ESNP312I

DATASET ALLOCATED SUCCESSFULLY

Cause
The target dataset has been successfully allocated.

Action
None.

ESNP313E

TARGET DATASET ALLOCATED, BUT IT IS TOO SMALL - DSNAME: dsname

Cause
The indicated target dataset has been allocated, but it not as large as the source dataset. This dataset is not copied.

Action
Make sure that the target volume has enough space for the dataset. It is necessary to provide more space on the target volume, or provide alternate or additional volumes.

ESNP320E

TARGET BCVGROUP NAME (name) INVALID

Cause
The BCVGROUP parameter was specified on the SNAP DATASET command. The indicated BCVGROUP name was not found in the BCVGROUP input file.

Action
Correct the BCVGROUP name or add such a BCVGROUP to the BCVGROUP input file.
**ESNP330E**

DATA CLASS NAME (name) INVALID

**Cause**
The DATACLASS parameter was specified on the SNAP DATASET command. The indicated data class name is not recognized by z/OS.

**Action**
Correct the data class name.

**ESNP330W**

DATA CLASS NAME (name) INVALID

**Cause**
The DATACLASS parameter was found on the source dataset. The indicated data class name is not recognized by z/OS.

**Action**
Processing will continue. You should notify your site SMS administrator about this dataset and have the data class name corrected.

**ESNP331E**

SMS VALIDATION FAILED FOR CLASS name WITH ERROR CODE: code AND REASON CODE: reason

**Cause**
The DATACLASS parameter was specified on the SNAP DATASET command. SMS failed the attempt to validate the data class name.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNP331W**

SMS VALIDATION FAILED FOR CLASS name WITH ERROR CODE: code AND REASON CODE: reason

**Cause**
The DATACLASS parameter was found on the source dataset. It is not recognized by z/OS SMS.
Action
Processing will continue. You should notify your site SMS administrator about this dataset and have the data class name corrected.

ESNP340E

MANAGEMENT CLASS NAME (name) INVALID

Cause
The MANAGEMENTCLASS parameter was specified on the SNAP DATASET command. The indicated management class name is not recognized by z/OS.

Action
Correct the management class name.

ESNP341E

SMS VALIDATION FAILED FOR CLASS name WITH ERROR CODE: code AND REASON CODE: reason

Cause
The MANAGEMENTCLASS parameter was specified on the SNAP DATASET command. SMS failed the attempt to validate the management class name.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP350E

STORAGE CLASS NAME (name) INVALID

Cause
The STORAGECLASS parameter was specified on the SNAP DATASET command. The indicated storage class name is not recognized by z/OS.

Action
Correct the storage class name.

ESNP351E

SMS VALIDATION FAILED FOR CLASS name WITH ERROR CODE: code AND REASON CODE: reason

Cause
The STORAGECLASS parameter was specified on the SNAP DATASET command. SMS failed the attempt to validate the storage class name.
**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNP360E**

CALL TO IEFDB476 FAILED - RETURN CODE: rc

**Cause**
After a dynamic allocation failure, a call was made to the z/OS routine IEFDB476 to interpret the allocation failure messages. This call has failed.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNP361I**


**Cause**
Dynamic allocation has failed with the indicated error and reason codes.

**Action**
The allocation error messages follow. Review the messages and correct the problem.

**ESNP362E**

ERROR FROM DYNAMIC ALLOCATION

**Cause**
Dynamic allocation has failed.

**Action**
The allocation error messages follow. Review the messages and correct the problem.

**ESNP363I**

message

**Cause**
Dynamic allocation has failed. The allocation failure message text is provided.
Action
Review the messages and correct the problem.

ESNP365I

DYNALLOC FAILED, TURNING OFF VOLUME PREFERENCING AND RETRYING

Cause
Volume preferencing has eliminated every volume on a storage system as a potential candidate. As a result, volume preferencing is being turned off for this command and the allocation is being retried.

Action
None.

ESNP370E

GDG BASE NOT SUPPORTED - DSNNAME: dsname

Cause
The indicated dataset name is a GDG base. This dataset type is not supported.

Action
Do not attempt to copy a GDG base.

ESNP371E

CATALOG DATASET NOT SUPPORTED - DSNNAME: dsname

Cause
The indicated dataset is catalog dataset. This is not a supported dataset type.

Action
Do not attempt to copy a catalog dataset.

ESNP372E

ALTERNATE INDEX DATASET NOT SUPPORTED - DSNNAME: dsname

Cause
The indicated dataset is an alternate index VSAM dataset. By itself, this is not a supported dataset type.

Action
Do not attempt to copy an alternate index VSAM dataset.

More Information
The base of a VSAM cluster may be cloned, and if SPHERE(YES) is specified, then entire sphere of a cluster (including alternate index clusters) may also be cloned.
Additional parameters RELATE and RENAMEUNCONDITIONAL may be used to tailor the associated path names as they are also copied.

ESNP373E

VOLUME TABLE OF CONTENTS NOT SUPPORTED

Cause
The indicated dataset is VTOC dataset. This is not a supported dataset type.

Action
Do not attempt to copy a VTOC dataset.

ESNP374E

VTOC INDEX NOT SUPPORTED - DSNAME: dsname

Cause
The indicated dataset is a VTOC index dataset. This is not a supported dataset type.

Action
Do not attempt to copy a VTOC index dataset.

ESNP375E

VVDS DATASET NOT SUPPORTED - DSNAME: dsname

Cause
The indicated dataset is VVDS dataset. This is not a supported dataset type.

Action
Do not attempt to copy a VVDS dataset.

ESNP380I

TARGET DATASET CLEANUP - DSNAME: dsname

Cause
The SNAP DATASET command has failed and all allocated target datasets are being deleted.

Action
None.
ESNP390E

ATTEMPTING TO CHANGE VOLSER ON DEVICE cuu TO volser, OLD VOLSER OF volser DID NOT VERIFY

Cause
The SNAP VOLUME command was successful, but the attempt to change the target volser has failed because the volume label did not contain the volser of the source volume.

Action
Determine if the volume label has changed since the device has come online. Vary the device offline and rerun the job. If the volume label cannot be determined, search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP391E

I/O ERROR ON DEVICE cuu WHILE UPDATING THE VOLUME LABEL, CLIPTF RC: rc

Cause
The SNAP VOLUME command was successful, but the attempt to change the target volser resulted in an I/O error.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP392I

THE DEVICE IS NOT BOUND OR NOT READY

Cause
This message is issued in case the SNAP VOLUME command with the COPYVOLID(NO) or NEWVOLID parameters fails due to not READY target devices.

Action
None.

ESNP400E

TARGET VOLUME (volser S/N sssssssssssssssssssssssssss/xxxx) NOT LOCATED ONLINE, MAY NOT EXIST OR NOT DEFINED TO SCF
Cause
There are three potential causes:

1. An online volume with the indicated volser was not found.
2. If processing a group, the TARGET parameter must use UNIT, instead of VOLUME, because VOLUME is not allowed.
3. The device is not known to SCF

Action
Depending on the cause:

1. Verify that volume serial number is specified correctly and volume device number is online to system. If required, correct the volser or vary the volume online.
2. If processing a group, use the following:

   SNAP VOL(SOU(VOL(S31901)) TRG(UNIT(xxxx)) TOLENQF(Y) COPYV(N))

   Note that COPYV(Y) must also be COPY(N) for GROUP processing.
3. Check SCF initialization parameters to ensure that the device is defined to SCF.

ESNP401E

TARGET VOLUME (volser S/N sssssss-ssssss/xxxx) IS NOT AN EMC DEVICE

Cause
An online volume with the indicated volser was found, but it is not located on a Dell EMC storage system. The target volume must be a Dell EMC device for SNAP DATASET or SNAP VOLUME.

Action
Change the volser to one located on a Dell EMC device.

ESNP402E

TARGET VOLUME (volser S/N sssssss-ssssss/xxxx) MUST BE A BCV DEVICE, NOT A STD DEVICE

Cause
An online volume with the indicated volser was found on a Dell EMC storage system. The target of a SNAP DATASET or SNAP VOLUME must be defined as a BCV device. The indicated volume was found to be defined as a standard device. This restriction is removed at Enginuity 5x66 and later allowing the target to be an STD device.

Action
None.

ESNP403E

TARGET VOLUME (volser S/N sssssss-ssssss/xxxx) MICROCODE LEVEL MUST BE AT LEAST 5X65
Cause
An online volume with the indicated volser was found on a Dell EMC storage system. The operating environment level in the storage system is earlier than 5x65.

Action
Upgrade the operating environment in the storage system.

**ESNP404E**

TARGET VOLUME (vvvvvv S/N sssssssss-sssss/xxxx) IS IN USE BY ANOTHER PROCESS

Cause
A snap is specifying a target device that is active with another Dell EMC process. An Enginuity snap is not supported until the other process has completed.

Action
Correct the target location, or specify a data mover.

**ESNP405E**

TARGET VOLUME (vvvvvv S/N sssssssss-sssss/xxxx) CANNOT BE A VIRTUAL DEVICE UNLESS A DATAMOVER IS USED

Cause
A snap is specifying a virtual device as the target volume. An Enginuity snap is not supported with virtual volumes.

Action
Correct the target location, or specify a data mover.

**ESNP406E**

TARGET VOLUME (vvvvvv S/N sssssssss-sssss/xxxx) CANNOT BE A VIRTUAL DEVICE UNLESS A DATAMOVER IS USED OR VDEV PARAMETER IS SPECIFIED INSTEAD OF TARGET

Cause
The TARGET parameter specified a virtual device. A virtual device cannot be used with the TARGET parameter unless a data mover is used.

Action
Either change the device to a non-virtual device or change from using the TARGET parameter and use the VDEV parameter instead.

**ESNP407E**

MUST USE VDEV PARAMETER WITH VIRTUAL DEVICE
**Cause**
A STOP VOLUME request specified the TARGET parameter and a virtual device. Use the VDEV parameter when referring to a virtual device.

**Action**
Change the parameter TARGET to VDEV.

ESNP408E

**VIRTUAL DEVICE IS NOT SUPPORTED WITH THIS TYPE ACTION**

**Cause**
The TARGET parameter specified a virtual device. The virtual device is not supported for this operation.

**Action**
Change the device to a non-virtual device.

ESNP409E

**VDEV PARAMETER CAN ONLY BE USED WITH A VIRTUAL DEVICE**

**Cause**
The VDEV parameter specified a device that is not a virtual device.

**Action**
Either change the device to a virtual device, or change the parameter VDEV to TARGET.

ESNP410W

**ERROR RETURNED FROM LSPACE WHILE PROCESSING VOLUME volser RC: rc**

**Cause**
A request was made to the z/OS LSPACE service. The service failed for the indicated volume. The volume is removed from the target volume candidate list.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP430I

**ABEND code DETECTED, DATASET EXPANSION STOPPED**
ABEND code DETECTED, GROUP DATASET WRITE ERROR

**Cause**

Format 1: The target dataset allocation size was smaller than the source dataset allocation size. An abend was detected while attempting to expand the allocated target dataset. The abend is ignored and execution continues.

Format 2: The group dataset had a write error. If possible, the dataset will be compressed and the write tried again.

**Action**

Format 1: None. This is usually an indication that the attempt to expand the dataset has failed because the target volume does not have enough room, or not enough target volumes were specified.

Format 2: If the dataset was successfully compressed and the next attempt to write succeeded, there is no reason to take any action. If the compress failed, or the subsequent write failed, you should make the dataset larger.

**ESNP440I**

PROCESSING COMPLETED, HIGHEST RETURN CODE ENCOUNTERED IS rc

**Cause**

All processing has been completed. The highest return code encountered is identified.

**Action**

None.

**ESNP450E**

INSUFFICIENT AUTHORITY TO action DATASET dsname

**Cause**

A security check was made to determine whether this job has the authority to perform the indicated action on the indicated dataset. The ACTION will be READ for the source dataset or ALTER for the target dataset.

**Action**

Obtain the proper authority to perform the requested action.

**ESNP460I**

PROCESSING FOR STATEMENT # number BEGINNING, COPY FROM VOLUME volser TO VOLUME volser

**Cause**

Processing for the indicated SNAP VOLUME command is beginning.
ESNP461I

PROCESSING FOR STATEMENT # number COMPLETED, HIGHEST RETURN CODE ENCOUNTERED IS rc

Cause
Processing for indicated SNAP VOLUME command has completed.

Action
None.

ESNP462E

VOLUME volser FAILED TO GO OFFLINE

Cause
The target volume indicated was varied offline. After waiting 60 seconds, the volume has failed to actually go offline. Since this is the target volume of a SNAP VOLUME command, it must be offline in order for the copy to proceed.

Action
Make sure that there are no users or jobs with allocations to the volume.

ESNP463E

VOLUME volser FAILED TO GO ONLINE

Cause
The indicated target volume was successfully varied offline and is now being varied back online. After waiting 60 seconds, the volume has failed to actually come back online.

Action
None.

ESNP464E

VOLUME volser (S/N ssssssssss-sssss/xxxx) IS ONLINE TO ANOTHER SYSTEM, IT MUST BE OFFLINE TO ALL OTHER SYSTEMS

Cause
The volume is target of a SNAP VOLUME request and must be offline to all other systems.

Action
Make sure that the volume is offline to all other systems. This message is immediately followed by message ESNP465I, identifying the online path groups.
More Information
If the device must remain online to certain systems (Linux, VM, etc.) there are some things you may do to continue this request. First, you may exclude certain path groups from consideration at all times by specifying the EXPATHGRP in the site options. Next, you may exclude certain path groups from consideration for the duration of a run by specifying EXCLUDE_PATHGROUPID on the GLOBAL statement. Next, you use the parameter CHECK_ONLINE_PATH_STATUS(YES|NO) to change the severity of the message issued. Refer to the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide for further information.

ESNP465I

ONLINE PATH GROUP(S) ARE: pathlist

Cause
This message identifies path groups online to the volume. Up to 6 path groups are displayed, 3 on each line. Additional path groups, if any, are truncated. Each group in the pathlist is made up of 22 hexadecimal characters. The first 14 characters are the path group ID. The remaining (right most) eight characters are the timestamp.

Note
The Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide provides more information about timestamps.

Action
Refer to message ESNP464E.

ESNP466W

VOLUME volser (S/N sssssss-ssssss/xxxx) IS ONLINE TO ANOTHER SYSTEM, IT SHOULD BE VARIED OFFLINE AND ONLINE TO ALL SYSTEMS BEFORE USING

Cause
This is a warning because critical information on the volume is about to change. If the location of the VTOC, VTOCIX or VVDS changes, you may have trouble using this volume from other systems until it is varied offline and online to those systems.

Action
The volume should be varied offline and then online to each of the attached systems prior to use on those systems.

ESNP467I

PROCESSING BYPASSED DUE TO TYPRUN=NORUN OPTION

Cause
TYPRUN=NORUN was specified and all action processing is bypassed.
Action
Verify that the processing produces the desired results and run again without TYPRUN-HOLD.

ESNP468W

UNABLE TO BRING VOLUME vvvvvv ONLINE, ANOTHER VOLUME IS ALREADY ONLINE WITH THAT LABEL

Cause
Attempting to vary a device online, but another device is already online with the same label/volser.

Action
The device will be left offline. To bring it online, the other device that is online with the same label/volser must be varied offline.

ESNP469I

DIFFERENTIAL(YES) IGNORED, ONLY SUPPORTED ON EMC SYMMETRIX RUNNING 5X69+ MICROCODE

Cause
Enginuity 5669 or a later level of the operating environment is required to use the DIFFERENTIAL(YES) parameter. The parameter is ignored.

Action
Upgrade the operating environment to the level required to use this feature.

ESNP470I

PROCESSING FOR STATEMENT # number BEGINNING, COPY DATASET REQUEST

Cause
Processing for the indicated SNAP DATASET command is beginning.

Action
None.

ESNP471I

PROCESSING FOR STATEMENT # number COMPLETED, HIGHEST RETURN CODE ENCOUNTERED IS rc

Cause
Processing for the indicated SNAP DATASET command has completed.

Action
None.
ESNP472I

SOURCE MASK: dsname

**Cause**
This message immediately follows message ESNP470I, indicating the source dsname mask.

**Action**
None.

ESNP473I

TARGET MASK: dsname

**Cause**
This message immediately follows message ESNP472I indicating the target dataset name mask.

**Action**
None.

ESNP474I

EXCLUDE MASK: dsname

**Cause**
This message immediately follows message ESNP473I and identifies the exclude dataset name mask (if present).

**Action**
None.

ESNP475I

SOURCE DDNAME: ddname

**Cause**
This message immediately follows message ESNP470I, identifying the source DD statement used.

**Action**
None.
ESNP476I

TARGET DDNAME: \textit{ddname}

\textbf{Cause}
This message immediately follows message ESNP470I, identifying the target DD statement used.

\textbf{Action}
None.

ESNP477I

PROCESSING BYPASSED DUE TO TYPRUN=NORUN OPTION

\textbf{Cause}
TYPRUN=NORUN was specified and all action processing is bypassed

\textbf{Action}
Verify that the processing will produce the desired results and run again without TYPRUN=NORUN.

ESNP478I

SRCE DSN: \textit{dsname} TRGT DSN: \textit{dsname}

\textbf{Cause}
TYPRUN=NORUN was requested. This message identifies the source and target datasets that would be snapped if the run was to be processed.

\textbf{Action}
None.

ESNP479I

RENAME OLD: \textit{xxxxxxxx} NEW: \textit{xxxxxxxx}

\textbf{Cause}
The list of RENAMEUNCONDITIONAL pairs are listed in processing sequence.

\textbf{Action}
None.

ESNP480E

SOURCE DATASET HAS KEY RANGES DEFINED - DSNAME: \textit{dsname}
Cause
A dataset format has been identified as unsupported by track level data movers. The dataset is not allocated. Typically, the unsupported dataset formats are: imbed, replicate and key range.

Action
To process this dataset type, specify data mover(DFDSS).

ESNP480I

SOURCE DATASET HAS KEY RANGES DEFINED - DSNAME: dsname

Cause
A dataset format has been identified as unsupported by track level data movers. A logical data mover (DFDSS) was specified and will be used to allocate and copy the dataset.

Action
None.

ESNP481I

UNABLE TO PROCEED WITH TARGET DATASET ALLOCATION

Cause
A dataset format has been identified as unsupported by track level data movers. The dataset is not allocated. Typically, the unsupported dataset formats are: imbed, replicate and key range. A logical data mover was specified and will be used to allocate and copy the dataset.

Action
None.

ESNP482I

THE DATA MOVER WILL BE USED TO COPY DATASET xxxxxxxxxx

Cause
Refer to message ESNP481I.

Action
None.

ESNP490E

I/O ERROR READING TRACK: cchh VOLUME: volser RC: rc

Cause
An I/O error occurred while reading the indicated track.
**Action**
The specified device must be online and there must be a path online to the device. Use the z/OS command DISPLAY PATH to view the device and path status. Use GTF (Generalized Trace Facility) to trace the I/O to the device. Save the output from GTF and from this job and contact the Dell EMC Customer Support Center for technical assistance.

**ESNP491E**

**I/O ERROR WRITING TRACK:** cchh **VOLUME:** volser **RC:** rc

**Cause**
An I/O error occurred while writing the indicated track.

**Action**
The specified device must be online and there must be a path online to the device. Use the z/OS command DISPLAY PATH to view the device and path status. Use GTF to trace the I/O to the device. Save the output from GTF and from this job and contact the Dell EMC Customer Support Center for technical assistance.

**ESNP500I**

**UNIT cuu WAS REQUESTED, FOUND WITH VOLUME volser MOUNTED**

**Cause**
A SNAP VOLUME command specified a unit parameter. The unit was found with the indicated volume mounted.

**Action**
None.

**ESNP501E**

**UNIT cuu WAS REQUESTED, BUT NOT FOUND**

**Cause**
A SNAP VOLUME command specified a unit parameter. The indicated unit is not a valid z/OS device.

**Action**
Correct the unit parameter.

**ESNP502E**

**UNIT cuu WAS REQUESTED, BUT IS NOT AVAILABLE**

**Cause**
A SNAP VOLUME command specified a unit parameter. The unit is defined to z/OS but it is not available.
Action
Correct the unit parameter or vary the indicated unit online.

ESNP503E

UNIT cuu HAS VOLUME volser MOUNTED, NOT VOLUME volser AS INDICATED

Cause
A SNAP VOLUME command specified a unit parameter and a volume parameter. The unit contained a volume other that the volume indicated in the volume parameter.

Action
Correct the unit and volume parameters to reflect the correct information.

ESNP504I

UNIT ccuu WAS REQUESTED, FOUND OFFLINE

Cause
A UNIT parameter was coded and the device found offline.

Action
None.

ESNP510E

EMC SNAP API - UNKNOWN ERROR DETECTED, CODE IS: code

Cause
An error was returned from TimeFinder. The error code is unknown.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP511E

EMC SNAP API - INTERNAL ERROR DETECTED, CODE IS: code

Cause
An error was detected by TimeFinder.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNP512E**

**UTILITY PROGRAM WAS UNABLE TO COPY EXTENTS**

**Cause**
A data mover utility program was unable to copy the extents.

**Action**
Refer to the messages issued by the utility program in this run which indicate why the utility program failed.

**ESNP513E**

**SYSCALL ERROR - error_code - misc_text**

**Cause**
A syscall error has been detected. The miscellaneous text depends on the error code. Error codes and associated messages are listed below.

For SnapVX syscalls used with PowerMaxOS 5978 and HYPERMAX OS 5977:
The error code is identified by 0x000yy where yy is the error code.

- 80000 SNAPVX_1ST_ERROR
- 80001 SNAPVX_NOT_SUPPORTED
- 80002 SNAPVX_MEMORY_ALLOCATION_FAILED
- 80003 SNAPVX_MEMORY_READ_FAILED
- 80004 SNAPVX_MEMORY_WRITE_FAILED
- 80005 SNAPVX_MEMORY_FREE_FAILED
- 80006 SNAPVX_INVALID_SNAPSHOT_ID
- 80007 SNAPVX_SNAPSHOT_TABLE_IS_FULL
- 80008 SNAPVX_UNALLOCATED_SLOT
- 80009 SNAPVX_INVALID_PARAMETER
- 8000A SNAPVX_MAX_RECORDS_EXCEEDED
- 8000B SNAPVX_INVALID_STATE
- 8000C SNAPVX_INVALID_OPTIONS
- 8000D SNAPVX_INVALID_COMMAND =
- 8000E SNAPVX_INVALID_FLAGS
- 8000F SNAPVX_POLL_LATER
- 80010 SNAPVX_INVALID_SNAPSHOT_NAME
- 80011 SNAPVX_INVALID_EMULATION_TYPE
- 80012 SNAPVX_FAILED_TO_FIND_TGT_SESSION
- 80013 SNAPVX_DPD_ERROR
80014 SNAPVX_DPD_UPDATE_TIMEOUT
80015 SNAPVX_TGT_STATE_BIT_NOT_FOUND
80016 SNAPVX_TGT_UPDATE_LINKED_BIT_FAILED
80017 SNAPVX_SNAPSHOT_EXISTS
80018 SNAPVX_FAILED_TO_UPDATE_READY_STATE
80019 SNAPVX_TGT_MISMATCH_TO_SRC
8001A SNAPVX_DEFINE_ERROR
8001B SNAPVX_FAILED_TO_FIND_SNAPSHOT
8001C SNAPVX_BEYOND_LAST_SEQUENCE
8001D SNAPVX_ALREADY_TGT
8001E SNAPVX_HARD_LINK_EXISTS
8001F SNAPVX_REACHED_TGT_LINK_LIMIT
80020 SNAPVX_TGT_LIST_ERROR
80021 SNAPVX_TRACK_IS_ROTATING_TOCOPY
80022 SNAPVX_NOT_TGT_OF_RESTORE
80023 SNAPVX_NOT_TGT
80024 SNAPVX_ALREADY_IN_STATE
80025 SNAPVX_POOL_IS_FULL
80026 SNAPVX_NO_ACTIVE_LINK
80027 SNAPVX_GET_SESSION_IN_CHANGE_FAILED
80028 SNAPVX_TARGET_ALREADY_SOURCE
80029 SNAPVX_LOCATE_ERROR
8002A SNAPVX_INVALID_TGT_SYMM_NUMBER
8002B SNAPVX_UNUSED_TGT_LINK_TBL
8002C SNAPVX_BITLOCK_ERROR
8002D SNAPVX_INVALID_OPERATION
8002E SNAPVX_AUTO_RECOVERY_INVOKED
8002F SNAPVX_BITMAP_ERROR
80030 SNAPVX_LOCK_MANAGMENT_ERROR
80031 SNAPVX_PARALLEL_CLONE_RDF_CHECK_ERR
80032 SNAPVX_LOCK_SNAPSHOT_TABLE_FAILED
80033 SNAPVX_UNLOCK_SNAPSHOT_TABLE_FAILED
80034 SNAPVX_LOCK_TGT_LINK_TABLE_FAILED
80035 SNAPVX_UNLOCK_TGT_LINK_TABLE_FAILED
80036 SNAPVX_SNPSHT_SRC_ALREADY_TGT
80037 SNAPVX_ALREADY_LEGACY_TGT
80038 SNAPVX_CRC_ERROR
80039 SNAPVX_REWRITE_COUNT_ACCESS_FAILED
8003A SNAPVX_INVALID_REWRITE_COUNT
8003B SNAPVX_SRC_META_DATA_UPDATE_IN_PROGRESS
8003C SNAPVX_CONSISTENCY_ERROR
8003D SNAPVX_LINKAGE_ERROR
8003E SNAPVX_DISALLOW_FLASHCOPY_TGT_IN_CASCADING
8003F SNAPVX_LEGACY_SESSION_ERROR
80040 SNAPVX_LEGACY_EXTENT_ERROR
80041 SNAPVX_LEGACY_PROTECTION_ERROR
80042 SNAPVX_ACCESS_OVERFLOW
80043 SNAPVX_INVALID_SRC_SYMM_NUMBER
80044 SNAPVX_TGT_LINK_COUNT_ERROR
80045 SNAPVX_MIX_SOFT_AND_HARD_ERROR
80046 SNAPVX_RESTORE_FWD_LEG_IS_MISSING
80047 SNAPVX_UNLINK_RESTORE_FWD_LEG_ERROR
80048 SNAPVX_SNAPSHOT_IN_STATUS_FAILED
80049 SNAPVX_TGT_LINK_IN_STATUS_FAILED
8004A SNAPVX_TGT_LINK_IS_INACTIVE
8004B SNAPVX_TGT_COPY_IN_PROGRESS
8004C SNAPVX_REACHED_SESSIONS_LIMIT
8004D SNAPVX_BGTASK_RETRY_IMMEDIATELY
8004E SNAPVX_BGTASK_RETRY_LATER
8004F SNAPVX_BITLOCK_SHARE_LOCK_TIMEOUT
80050 SNAPVX_OVERFLOW
80051 SNAPVX_VERSION_HANDLING_DISABLED
80052 SNAPVX_vp_OPERATION_FAILED
80053 SNAPVX_INVALID_SEQUENCE_RANGE
80054 SNAPVX_STATE_INFO_UPDATE_ERROR
80055 SNAPVX_ROTATING_SCAN_ERROR
80056 SNAPVX_ROTATING_RETRY_LATER
80057 SNAPVX_UNEXPECTED_UNDEFINED_TRACKS
80058 SNAPVX_UNEXPECTED_ROTATING_TRACKS
80059 SNAPVX_RESTORE_EXISTS_ON_TARGET
8005A SNAPVX_UNUSED_SNAPSHOT_ID
8005B SNAPVX_PRECOPY_WITH_NO_BG_COPY
8005C SNAPVX_TERMINATE_AFTER_WITH_NO_BG_COPY
8005D SNAPVX_TGT_HAS_ORS_COPY_IN_PROGRESS
8005E SNAPVX_SRC_HAS_ORS_COPY_IN_PROGRESS
8005F SNAPVX_UNDEFINE_ERROR
80060 SNAPVX_UNDEFINE_RETRY
80061 SNAPVX_TGT_SIZE_MISMATCH_TO_SRC
80062 SNAPVX_ROTATING_SCAN_ROTATING_ALREADY_CLEAR
80063 SNAPVXDEPENDENT_SNAPSHOTS_EXISTS
80064 SNAPVX_LINKED_TARGET_EXISTS
80065 SNAPVX_CONTROL_CMD_FAILED
80066 SNAPVX_DEVICE_CORRUPTION
80067 SNAPVX_CENTAUR_LINK_FAILED
80068 SNAPVX_SEND_MSG_FAILED
80069 SNAPVX_SRC_MISMATCH_TO_SNAPSHOT
8006A SNAPVX_UNKNOWN_REASON
8006B SNAPVX_SRPR_THRESHOLD_REACHED
8006C SNAPVX_VVOL_MDP_ERROR
8006D SNAPVX_VVOL_ALREADY_TRANSFERRED
8006E SNAPVX_UUID_HASH_ERROR
8006F SNAPVX_UUID_NOT_FOUND
80070 SNAPVX_SNAPSHOT_NOT_IN_USED_LIST
80071 SNAPVX_RECREATE_ON_ACTIVE_LINK
80072 SNAPVX_SRC_ACTIVATED_IS_CPY_PROG_TGT
80073 SNAPVX_SRC_ACTIVATED_IS_INACTIVE_TGT
80074 SNAPVX_LOCATE_ERROR_TRK_IS_VWP
80075 SNAPVX_DEVICE_IN_CONFIG_LOCKDOWN
80076 SNAPVX_LOCATE_NOT_NEEDED
80077 SNAPVX_EXISTS_TGT_IS_COPY_IN_PROGRESS
80078 SNAPVX_EXISTS_TGT_EMULATION_MISMATCH
80079 SNAPVX_SRC_IS_COPY_IN_PROGRESS_TGT
8007A SNAPVX_SRC_IS_INACTIVE_TGT
8007B SNAPVX_FAILED_TO_INVALIDATE_R2_TGT
8007C SNAPVX_ALREADY_LEGACY_SRC
8007D SNAPVX_SRC_ENCAPSULATED_IS_SHRD_CPY_IN_PRGRS
8007E SNAPVX_DPD_BIT_UNCHANGED
8007F SNAPVX_ILLEGAL_GCM_CHANGE
80080 SNAPVX_SRC_IS_ENCAPSULATED_MAPPED
80081 SNAPVX_TGT_IS_ENCAPSULATED_MAPPED
80082 SNAPVX_SRC_IS_ENCAPSULATED
80083 SNAPVX_TGT_IS_ENCAPSULATED
80084 SNAPVX_SRC_IS_ENCAPSULATED_TGT
80085 SNAPVX_TGT_IS_ENCAPSULATED_SRC
80086 SNAPVX_SRC_ENCAPSULATED_LINKED_TO_ONLINE_TGT
80087 SNAPVX_TGT_IS_NOCOPY_Encapsulated
80088 SNAPVX_SRC_IS_NOCOPY_Encapsulated
80089 SNAPVX_SRC_ENCAPSULATED_HAS_TIMETO_LEAVE
8008A SNAPVX_TGT_IS_LARGER_ENCAPSULATED
8008B SNAPVX_OBJECT_DOES_NOT_EXISTS
8008C SNAPVX_UUID_MISMATCH
8008D SNAPVX_OFFLOAD_SESSION_EXISTS
8008E SNAPVX_INTERCEPT_HOST_RETRY_IO
8008F SNAPVX_TGT_STATE_TABLE_UPDATE_FAIL
80090 SNAPVX_LOCATE_ERROR_RDP_TRK_NOT_FOUND
80091 SNAPVX_LOCATE_ERROR_TRK_IS_WP
80092 SNAPVX_SRC_IS_NONDD_ENCAPSULATED
80093 SNAPVX_TGT_IS_NONDD_ENCAPSULATED
80094 SNAPVX_DPD_SEARCH_TIMEOUT
80095 SNAPVX_TIMEOUT
80096 SNAPVX_BGTASK_RETRY_CHUNK
80097 SNAPVX_INVALID_DEVICE
80098 SNAPVX_CMD_LOCK_CONTESTION
80099 SNAPVX_OUT_OF_DPD_SLOTS
8009A SNAPVX_LOCATE_ERROR_RETRY
8009B SNAPVX_INTERCEPT_RETRY_IO
8009C SNAPVX_MEMORY_ALLOCATION_RETRY
8009D SNAPVX_INVALID_DPD_TGT_TYPE
8009E SNAPVX_INVALID_DPD_ENTRY
8009F SNAPVX_VERSIONING_ERROR
800A0 SNAPVX_DEVICE_IN_LOCKDOWN
800A1 SNAPVX_SESSION_IN_CHANGE_IS_SET
800A2 SNAPVX_NO_MACHING_INDIRECT_TAG
800A3 SNAPVX_FAILED_TO_READ_TRACK
800A4 SNAPVX_TGT_DEFINE_IN_PROGRESS
800A5 SNAPVX_INTERCEPT_CANNOT_ADD_RDP_NODE_TO_COPY
800A6 SNAPVX_FE_TRACK_LOCK_FAIL
800A7 SNAPVX_FAILED_TO_FIND_ICDP_TO_FREE
800A8 SNAPVX_TGT_IS_AA_RDF
800A9 SNAPVX_WRITE_TO_SCRATCH_SLOT_FAILED
800AA SNAPVX_FAILED_TO_START_BG_ACTIVATE
800AB SNAPVX_FAILED_TO_GET_HATI_HANDLE
800AC SNAPVX_TGT_OF_FULL_DV_IS_FLASHCOPY_SRC
800AD SNAPVX_LEGACY_TGT_HAS_EXTENT_SESSION
800AE SNAPVX_INVALID_UUID
800AF SNAPVX_INVALID_CONTAINER_ID
800B0 SNAPVX_INVALID_DESCRIPTOR_ID
800B1 SNAPVX_VERIFY_FAILED
800B2 SNAPVX_LEGACY_SRC_HAS_EXTENT_SESSION
800B3 SNAPVX_LEGACY_TGT_SESSION_INACTIVE
The error code is identified by 0xyy where yy is the error code.

yy (hex) Error code message

6 = Session removed for non-established
7 = SDDF sessions mismatch
9 = no indirects
f = Poll to complete command
10 = Device in transient state
11 = File SMMF session not established
12 = File SMMF session type error
13 = File SMMF session not removed
14 = File SMMF extent track error
15 = Clone illegal target inhibit out copy
16 = Source device not ready
17 = OOB must be fast snap
18 = FlashCopy snap violation
19 = Source device owns aborted tracks
1a = Cannot create task 11 for OOB syscall
1b = Session already exists
1c = Maximum number of records exceeded
1d = System time overrun, resource exhausted, try later
1e = Multi device busy, wait and retry
1f = Mix of internal extent snap and basic snap
20 = Target is destination of another application
21 = Wrong ccbh
22 = Destination Device is VLUN migration device
23 = Extent track is not in perma cache slot
24 = Extent track is not in cache
25 = Wrong sym device number
26 = Extent track has no record 1
27 = Destination device is r2 disabled
28 = Source device owns snap session
29 = Destination device is write disabled
2a = Extent track is still active
2b = SDDF registration failed or invalid found
2c = Session in change for source device
2d = All mirrors have invalids
2e = Unbound thin device
2f = Device owns XRC sessions
30 = Active thin task
31 = Upgrade in progress
32 = Extent track not in perma cache
33 = Cannot lock source device
34 = Session never established
35 = Invalid extent track slot
36 = Start extent error
37 = Last extent error
38 = Extent count exceeded
39 = Invalid extent
3a = IVTOC tracks exist on device.
3b = More than single destination device.
3c = Cannot lock destination device
3d = Destination device is not ready
3e = Source and destination devices not same type
3f = Background copy and no copy on read
40 = Background split in progress
41 = Activate while session in change
42 = Device already set or released
43 = FlashCopy extent already removed
44 = Device is active file smmf device
45 = syscall 812c illegal modifier
46 = Device has concurrent copy sessions established
47 = Illegal target symm device number
48 = Wrong session type
49 = Full device different size
4a = Full device establish to itself
4b = Full device different meta member count
4c = Full device different meta status
4d = Full device different meta size
4e = Full device target already a destination device
4f = Device is SFS device
50 = Protected vault cannot be snap target
51 = No snap operation on worm
52 = Clone device owns shared tracks
53 = Illegal extent
54 = Resnap before snap is done
55 = Exceeds cascading clone hop limit (limit is 2)
56 = Session offset is wrong
57 = Cannot open SDDF session on source device
58 = Cannot resnap this pair
59 = This pair should be resnapped
5a = SDDF resources are out (not enough slots)
5b = Source device has indirect tracks
5c = Destination device has indirect tracks
5d = Source device is target of an inactive session
5e = Target device is target of an inactive session
5f = FRR not allowed, target has other sessions
60 = Wrong syscall flags
61 = Number of sessions exceeded
62 = Session already established
63 = Device is a migration device
64 = Illegal source device number
65 = Session registered for different application
66 = Session not of supported type
67 = No snap operations allowed during memory replacement
68 = Registration failed
69 = Source is a log device or virtual device
6a = Nocopy clone restore exists
6b = Illegal modifier
6c = Mix of persistent vsnap and snap
6d = Internal extent snap target extent overlap
6e = Illegal TF Clone restore, wrong SDDF
6f = Illegal TF Clone restore, cannot switch SDDF
70 = VSE Targets belong to different pools
71 = Wrong session id
72 = Parallel Clone SRDF check error
73 = Target device is a virtual device
74 = Source of full device is target of another device
75 = Target of full device is source of another device
76 = Source device is a virtual device
77 = Session is not parallel clone
78 =Extent target is resnap mode
79 = n/a
7a = Parallel Clone invalid flag
7b = Destination device owns sessions
7c = Parallel clone cannot lock device
7d = Resnap session not precopy sync
99 = Cannot lock extent track
ff = Returned unit-check from disk adapter

**Action**
Review the error code and message. If still in doubt as to cause of error condition or how to resolve, report this error to the Dell EMC Customer Support Center. Make sure you have all the relevant information available.

**ESNP514E**

**EMC SNAP API - UNABLE TO ACQUIRE ENQ FOR RESOURCE**

**Cause**
An error occurred while obtaining the EMCF1 for the source device.

SNAP API was unable to obtain a SYSTEMS Share ENQ on the resource. The API made several attempts before timeout and finished with error.
Refer to message EQCA326E for details. Determine which SNAP job already owns the SYSTEMS ENQ on the resource.

**ESNP516E**

**EMC SNAP API - ERROR OBTAINING EMCF1 FOR SOURCE DEVICE**

**Cause**
An error occurred while obtaining the EMCF1 for the source device.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNP517E**

**EMC SNAP API - ERROR OBTAINING EMCF1 FOR TARGET DEVICE**

**Cause**
An error occurred while obtaining the EMCF1 for the target device.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNP518E**

**EMC SNAP API - MICROCODE LEVEL NOT 5265?**

**Cause**
The operating environment level for the storage system is lower than 5x65.

**Action**
Contact the Dell EMC Customer Support Center to have a new version of the operating environment installed.

**ESNP519E**

**EMC SNAP API - SOURCE AND TARGET NOT IN THE SAME CONTROL UNIT**

**Cause**
The source and target devices must be in the same storage system.
Action
Either select devices in the same storage system, or optionally use a data mover.

**ESNP51BE**

EMC SNAP API - SNAPVX_LEGACY_TGT_XTNT_SESSION_IN_PROGRESS

Cause
An attempt was made to create a cascading relationship when the source device is also a target and copy has not been completed.

Action
Wait for the copy to complete for the first leg, then try to create the cascading relationship.

**ESNP520E**

EMC SNAP API - SOURCE AND TARGET NOT THE SAME DEVICE TYPE

Cause
The source and target devices are not the same device type.

Action
Select devices of the same device type. For example, both 3380s or both 3390s.

**ESNP521E**

EMC SNAP API - SOURCE NOT A STD DEVICE

Cause
The source device is not a STD device.

Action
Select a source device which is a STD device.

**ESNP522E**

EMC SNAP API - TARGET NOT A BCV DEVICE

Cause
The target device is not a BCV device.

Action
Select a target device which is a BCV device.
ESNP523E

EMC SNAP API - SOURCE BEGIN EXTENT ADDRESS INVALID

Cause
The extent address to be snapped is invalid for the source device.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP524E

EMC SNAP API - TARGET BEGIN EXTENT ADDRESS INVALID

Cause
The extent address to be snapped is invalid for the target device.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP525E

EMC SNAP API - NUMBER OF TRACKS TO COPY IS INVALID

Cause
The number of tracks to be snapped is zero.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP526E

EMC SNAP API - SOURCE BEGIN EXTENT PLUS TRACK COUNT IS INVALID

Cause
The beginning of the extent to be copied plus the number tracks to be copied exceeds the total number of tracks on the source device.
**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNP527E**

**EMC SNAP API - TARGET BEGIN EXTENT PLUS TRACK COUNT IS INVALID**

**Cause**
The beginning of the extent to be copied plus the number tracks to be copied exceeds the total number of tracks on the target device.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNP528E**

**EMC SNAP API - I/O ERROR GETTING EXTENT TRACK INFORMATION**

**Cause**
An I/O error occurred while attempting to read the extent communications track location.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNP529E**

**EMC SNAP API - I/O ERROR WRITING EXTENT TRACK INFORMATION**

**Cause**
An I/O error occurred while attempting to write the extent communications track location.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNP530E

EMC SNAP API - I/O ERROR READING EXTENT TRACK

Cause
An I/O error occurred while attempting to read the extent communications track location.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP531E

EMC SNAP API - I/O ERROR WRITING EXTENT TRACK

Cause
An I/O error occurred while attempting to write the extent communications track location.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP532E

EMC SNAP API - EXTENT TRACK NOT IN CORRECT FORMAT

Cause
The extent communications track was read, but the contents do not validate.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP533E

EMC SNAP API - I/O ERROR CHECKING TARGET INDIRECT STATUS
**ESNP534E**

**EMC SNAP API - I/O ERROR READING SOURCE DEVICE CHARACTERISTICS**

**Cause**
An I/O error occurred while attempting to read the source device characteristics.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNP535E**

**EMC SNAP API - I/O ERROR REMOVING EXTENTS FROM EXTENT TRACK**

**Cause**
An I/O error occurred while removing an extent definition from the extent communications track.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNP536E**

**EMC SNAP API - ERROR ENCOUNTERED WHILE SORTING EXTENT TRACK**

**Cause**
An I/O error occurred while sorting the extent communications track contents.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNP537E

EMC SNAP API - I/O ERROR CREATING SNAP SESSION

**Cause**
An I/O error occurred while attempting to establish a new session.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP538E

EMC SNAP API - I/O ERROR OBTAINING LIST OF SNAP SESSIONS

**Cause**
An I/O error occurred while attempting to obtain the list of existing sessions.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP539E

EMC SNAP API - I/O ERROR REMOVING SNAP SESSION

**Cause**
An I/O error occurred while attempting to remove an existing session.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP540E

EMC SNAP API - I/O ERROR ESTABLISHING EXTENTS IN EXTENT TRACK

**Cause**
An I/O error occurred while attempting to establish an extent in the extent communications track.
ESNP541E

EMC SNAP API - MAXIMUM NUMBER OF EXTENT REQUESTS IN EXTENT TRACK EXCEEDED

Cause
The maximum number of extent requests in the extent communications track has been exceeded. The current limit is 2015 active requests in the extent communications track.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP542E

EMC SNAP API - I/O ERROR CHECKING INDIRECT STATUS

Cause
An I/O error occurred while checking the indirect status of the target extent.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP543E

EMC SNAP API - I/O ERROR REMOVING INDIRECT STATUS

Cause
An I/O error occurred while removing the indirect status from the target extent.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNP544E

EMC SNAP API - MAXIMUM NUMBER OF SNAP SESSIONS EXCEEDED (4)

Cause
A maximum of four TimeFinder sessions is allowed. This is based on the number of concurrent snap requests for a given track range. Essentially, a dataset may only have four simultaneous TimeFinder operations in progress at any given time.

Action
Use the WAIT(YES) option or try the request again after a prior snap has completed. If a TimeFinder job has previously been run that specified BACKGROUNDCOPY(N) or MODE(NOCOPY) the same JCL can be run with PARM='GLOBAL MODECOPYFINISH' to finish the session.

ESNP545E

EMC SNAP API - I/O ERROR WRITING LOG RECORD

Cause
An I/O error occurred while writing a log record to the storage system.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP546E

EMC SNAP API - EXTENT TRACK LOCK FORMAT NOT SUPPORTED

Cause
An attempt to read the extent track has failed because a new locking mechanism is being used to prevent concurrent updates to the extent track.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP547E

EMC SNAP API - SOURCE EXTENT CURRENTLY PROTECTED
Cause
An attempt has been made to snap a source dataset which was recently the target of a TimeFinder operation, which has not completed. If a TimeFinder job has previously been run that specified BACKGROUNDCOPY(N) or MODE(NOCOPY) the same JCL can be run with PARM='GLOBAL MODECOPYFINISH' to finish the session.

Action
Wait until the previous operation to the dataset completes and try this action again.

ESNP548E

EMC SNAP API - I/O ERROR OBTAINING SSID SESSION LIST

Cause
An I/O error occurred while attempting obtain the current session list information.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP549E

EMC SNAP API - I/O ERROR USING EMCCOPY

Cause
An I/O error occurred while using the EMCCOPY Enginuity assist to move tracks.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP550E

PARALLEL_CLONE(REQ) REQUESTED, RDF CHECK ERROR

Cause
A parallel clone error occurred while processing a snap request. PARALLEL_CLONE(REQuired) was specified and the entire job failed.

Action
Ensure the local and remote source/target devices are in a state acceptable for clone operations to occur. To have the jobs continue processing if parallel clone cannot occur, change the PARALLEL_CLONE parameter to Preferred, or YES, or NO.
ESNP552E

EMC SNAP API - AN OPERATION WAS ATTEMPTED WITH A DEVICE THAT IS BEING EXPANDED

Cause
A SNAP VOLUME, CREATE SNAPSHOT or SNAP DATASET command is issued with a device that is being expanded.

Action
Wait for the Dynamic Volume Expansion operation to complete and rerun the job.

ESNP553E

EMC SNAP API - ERROR LINKING SNAPSHOT - FREE IS IN PROGRESS

Cause
An attempt was made to link a snapshot whose targets were in process of FREEing.

Action
Wait for FREEing to complete and retry.

ESNP554E

EMC SNAP API - ERROR CREATING SNAPSHOT - FREE IS IN PROGRESS

Cause
An attempt was made to create a snapshot whose targets were in process of FREEing.

Action
Wait for FREEing to complete and retry.

ESNP555E

TARGET DEVICE IS HELD AND NEEDS TO BE RELEASED WITH THE CONFIG(RELEASE_LINK_TGT_HOLD(YES)) COMMAND

Cause
A command was issued with the CHECK_LINK_TARGET_HOLD(Y) parameter but the target device is held. The command fails.

Action
Release the target device using the CONFIG command with the RELEASE_LINK(Y) parameter or specify the RELEASE_LINK(Y) as a parameter to your command, if it supports that parameter.
ESNP557E

AN ERROR OCCURED CHECKING LINK TARGET HOLD

Cause
In the process of obtaining information about the LINK_TARGET_HOLD status of a device, an error occurred.

Action
If the process of checking a device's LINK_TARGET_HOLD status is not required, you can bypass this error by specifying CHECK_LINK_TARGET_HOLD(NO). Alternatively, more information about the error can be obtained by specifying DEBUG(EXTRA) in the QCOUTPUT look for the EMCDLOK return code information. There may be SCF API return codes that can help identify the cause of the error. If the failure is not evident, contact Dell EMC Technical Support and provide the QCOUTPUT information with DEBUG(EXTRA) specified.

ESNP559E

TARGET DEVICE: symdv# S/N ccccccc-cccccc IS HELD AND NEEDS TO BE RELEASED WITH THE CONFIG(RELEASE_LINK(Y))

TARGET DEVICE: symdv# S/N ccccccc-cccccc IS HELD AND NEEDS TO BE RELEASED WITH THE CONFIG(RELEASE(Y))

Cause
Either:
- A SnapVX or TimeFinder/Clone command was issued with the CHECK_LINK_TARGET_HOLD(Y) parameter. However, the target devices are held by SnapVX or TimeFinder/Clone. The command fails.
- A SnapVX or TimeFinder/Clone command was issued with the CHECK_LINK_TARGET_HOLD(Y) parameter. However, the target devices are held by TimeFinder/Mirror. The command fails.

Action
Either:
- Release the target devices using the CONFIG command with the RELEASE_LINK(Y) parameter or specify that parameter on another command you want to use, if it supports that parameter.
- Release the target devices using the CONFIG command with the RELEASE(Y) parameter.

ESNP55BE

EMC SNAP API - ERROR CREATING HARDLINK - FREE IS IN PROGRESS

Cause
An error was encountered while creating hardlink because the involved device was in the process of FREEing.
Action
Wait until the process of FREEing is complete and reissue the command.

ESNP560E

I/O ERROR (CMD 34) ON VOLUME volser (S/N sssssssssss/xxxx), RC: rc

Cause
An I/O error occurred while reading the path group status (CMD 34). The channel-end and device-end status information is identified in the rc.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP561E

VOLUME volser IS ONLINE TO A SYSTEM, IT SHOULD BE VARIED OFFLINE AND ONLINE TO ALL SYSTEMS BEFORE USING

Cause
A device is being processed through a gatekeeper device. The device is online to a system, either this system or another system.

Action
It is important for the devices to be varied offline and online after the request in order for the system(s) to search out the (possibly) new VTOC and VVDS location on the device.

ESNP562W

VOLUME volser IS ONLINE TO A SYSTEM, IT SHOULD BE VARIED OFFLINE AND ONLINE TO ALL SYSTEMS BEFORE USING

Cause
A device is being processed through a gatekeeper device. The device is online to a system, either this system or another system.

Action
It is important for the devices to be varied offline and online after the request in order for the system(s) to search out the (possibly) new VTOC and VVDS location on the device.

ESNP563I

VOLUME volser IS ONLINE TO THIS LPAR RUNNING VM
Cause
The system that this is running on is a virtual system under VM. Because VM manages all of the path groups for its virtual systems, we are unable to detect if there are other virtual systems under this same VM using the same devices.

Action
You must determine whether other systems running under the same VM also are using the same target device. If so, you should vary the device offline and online on those systems before further use, in order to ensure that each system is aware of any LABEL, VTOC, VTOCIX or VVDS changes. Without doing this, it is possible to have data loss from those systems.

ESNP570E

TARGET VOLUME (volser S/N sssssss-ssssss/xxxx) MUST BE A BCV DEVICE

Cause
The target volume asked for in the request is not a BCV device.

Action
Change the target volume to indicate a BCV device. This restriction is removed at Enginuity 5x66 and later where the TARGET VOLUME may be an STD device.

ESNP571E

TARGET VOLUME (volser S/N sssssss-ssssss/xxxx) MUST RESIDE WITHIN THE SOURCE Symmetrix CONTROL UNIT

Cause
The target volume is not in the same physical storage system with the source volume.

Action
Both volumes must reside in the same physical storage system. Change the target volume to reflect a BCV volume in the same physical storage system with the source volume, or optionally specify a data mover.

ESNP572E

TARGET VOLUME (volser S/N sssssss-ssssss/xxxx) MUST BE THE SAME DEVICE TYPE AS THE SOURCE DATASET VOLUMES

Cause
The target volume must be the same device type as the source volume.

Action
Change the target volume to reflect a BCV volume with the same device type as the source volume. For example, both 3380s or both 3390s.
ESNP573E

TARGET VOLUME (volser S/N sssssss-sssss/xxxx) MUST HAVE THE SAME TRACK SIZE AS THE SOURCE DATASET VOLUMES

Cause
The target volume must have the same track size as the source volume.

Action
Change the target volume to reflect a BCV volume with the same track size as the source volume.

ESNP574E

SOURCE TRACK SIZE: size TARGET TRACK SIZE: size

Cause
This message immediately follows message ESNP573E and identifies the track size for both the source and target volume.

Action
None.

ESNP580E

WAIT(HH:SS) AND WAIT(YES|NO) CANNOT BOTH BE SPECIFIED

Cause
The wait option has been coded twice. Once with a time field and once with the YES/NO keyword.

Action
Correct the request to only use the wait option once.

ESNP590S

ERROR, NO PARAMETERS SUPPLIED TO INTERFACE

Cause
One entry to the Dell EMC High Level Snap API, R1 was zero.

Action
Setup a proper parameter list, pointed to by register one (1).
ESNP591S

**ERROR, INCORRECT PARAMETER VERSION-ID, EXPECTING version id OR LESS, FOUND version id**

**Cause**
The first parameter (API control block) had an incorrect version number. Check field SNAPIVER.

**Action**
Check the documentation for calling the Dell EMC High Level Snap API and ensure that the parameter block is correctly setup.

ESNP592S

**ERROR, INCORRECT PARAMETER EYE-CATCHER, EXPECTING @SNAPAPI, FOUND text**

**Cause**
The first parameter has an incorrect eye-catcher.

**Action**
Check the documentation for calling the Dell EMC High Level Snap API and ensure that the parameter block is correctly setup.

ESNP593S

**ERROR, INCORRECT PARAMETER LENGTH, EXPECTING @SNAPAPI, FOUND text**

**Cause**
The first parameter has an incorrect length indicator.

**Action**
Check the documentation for calling the Dell EMC High Level Snap API and ensure that the parameter block is correctly setup.

ESNP594S

**ERROR OPENING OUTPUT LISTING FILE**

**Cause**
an attempt by the Dell EMC High Level Snap API to open the output listing file has failed. The caller of the API supplied an I/O routine for the output listing file and the I/O routine was unable to open the file.

**Action**
It is the responsibility of the caller of the Dell EMC High Level Snap API to provide the output listing file and to ensure that the file can be opened.
ESNP595S

ERROR OPENING INPUT CONTROL FILE

Cause
An attempt by the Dell EMC High Level Snap API to open the input control file has failed. The caller of the API supplied an I/O routine for the input control file and the I/O routine was unable to open the file.

Action
It is the responsibility of the caller of the Dell EMC High Level Snap API to provide the input control file and to ensure that the file can be opened.

ESNP596S

ERROR OPENING INPUT BCVGROUP FILE

Cause
An attempt by the Dell EMC High Level Snap API to open the input bcvgroup file has failed. The caller of the API supplied an I/O routine for the input bcvgroup file and the I/O routine was unable to open the file.

Action
It is the responsibility of the caller of the Dell EMC High Level Snap API to provide the input bcvgroup file and to ensure that the file can be opened.

ESNP597S

PROGRAM MUST BE APF AUTHORIZED

Cause
The TimeFinder program must be APF authorized. The macro “TESTAUTH FCTN=1” was used to check authorization.

Action
Ensure that the program TimeFinder or the caller of the Dell EMC High Level Snap API (EMCSNAPI) is authorized. This also requires that the libraries containing these programs are authorized.

ESNP598S

EMCSNAP DOES NOT WORK IN A VM ENVIRONMENT

Cause
TimeFinder is running in a virtual machine environment.

Action
TimeFinder does not operate in a virtual machine environment.
**ESNP599S**

**ERROR OPENING ERROR LISTING FILE**

**Cause**
An attempt by the Dell EMC High-Level Snap API to open the error listing file has failed. The caller of the API supplied an I/O routine for the output listing file and the I/O routine was unable to open the file.

**Action**
It is the responsibility of the caller of the High Level Snap API to provide the error listing file and to ensure that the file can be opened.

---

**ESNP600I**

**CLEANUP EXTENT TRACK COMPLETED**

**Cause**
A CLEANUP EXTENT TRACK command has completed successfully.

**Action**
None.

---

**ESNP610I**

**NO EXTENTS REMAINING IN EXTENT TRACK**

**Cause**
A CLEANUP EXTENT TRACK command has been completed and there are no individual extents remaining on the device to be copied.

**Action**
None.

---

**ESNP611I**

**EXTENTS REMAINING IN EXTENT TRACK**

**Cause**
A CLEANUP EXTENT TRACK command has been completed and some extents are still being copied. This message is immediately followed by messages ESNP612I, ESNP613I, and ESNP614I, which identify the extents still active.

**Action**
None.
ESNP612I

TARGET - TRACKS - SOURCE - TARGET - SESSION PROTECTED

Cause
A CLEANUP EXTENT TRACK command has been completed and some extents are still being copied. This message is a title list of extents remaining. This message is immediately followed by messages ESNP613I and ESNP614I.

Action
None.

ESNP613I

SYM DEV# - TO COPY - CCHH - CCHH - ID# TRK COUNT

Cause
A CLEANUP EXTENT TRACK command has been completed and some extents are still being copied. This message is a title line to the list of extents remaining and is immediately followed by message ESNP614I.

Action
None.

ESNP614I

target-sym-dev# tracks-to-copy source-cchh target-cchh session-id#

Cause
A CLEANUP EXTENT TRACK command has completed and some extents are still being copied. This message is issued once for each extent remaining to be copied. The five fields are:

- **target-sym-dev#**
  This is the internal device number for the target device.

- **tracks-to-copy**
  This is the number of tracks initially requested to be copied.

- **source-cchh**
  This is the cylinder/head of the beginning of the extent, on the source device.

- **target-cchh**
  This is the cylinder/head of the beginning of the extent, on the target device.

- **session-id#**
  This is the TimeFinder session identifier in use for this extent.

Action
None.
ESNP620I

MICROCODE PATCH patch number IS MISSING, UNABLE TO PROVIDE SESSION/DEVICE XREF

Cause
An operating environment patch is needed to provide the session and device cross-reference. The operating environment patch has not been applied. The session and device cross-reference cannot be provided.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP621I

SOURCE - ACTIVE

Cause
This is a title line for message ESNP623I and is immediately followed by messages ESNP622I and ESNP623I.

Action
None.

ESNP622I

SYM DEV# - SESSION LIST

Cause
This is a title line for message ESNP623I and is immediately followed by message ESNP623I.

Action
None.

ESNP623I

[*]source-sym-dev# active-session-list

Cause
This message is issued once for each PowerMax/VMAX device which has an active TimeFinder session. When present, * identifies a session with no tracks remaining to be copied that is a candidate for cleanup. source-sym-dev# is the internal device
number of the source device. `active-session-list` specifies one or more TimeFinder session identifiers.

**Action**

None.

---

**ESNP624I**

**SESSION - REMAINING**

**Cause**

This is a title line for message ESNP626I and is immediately followed by messages ESNP625I and ESNP626I.

**Action**

None.

---

**ESNP625I**

**ID - TRACKS TO COPY**

**Cause**

This is a title line for message ESNP626I and is immediately followed by message ESNP626I.

**Action**

None.

---

**ESNP626I**

**session-id remaining-tracks-to-copy**

**Cause**

This is message issued once for each TimeFinder session.

`session-id`

The session identifier.

`remaining-tracks-to-copy`

The number of tracks remaining to be copied for this session. Please note that this is a point-in-time number. It should be constantly changing as more tracks are added and tracks are copied.

**Action**

Sessions with no tracks remaining to be copied may be removed by running a CLEANUP EXTENT TRACK command on the appropriate source device. These sessions are marked with a leading asterisk (*) in the message text.
ESNP627E

SORT ERROR ENCOUNTERED WHILE SORTING DEVICE/SESSION INFORMATION

Cause
The internal sort failed while sorting the device/session information.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP628E

SORT ERROR ENCOUNTERED WHILE SORTING SESSION INFORMATION

Cause
The internal sort failed while sorting the session information.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP630E

I/O ERROR (SYSCALL0147) ON VOLUME volser, RC: rc

Cause
An I/O error occurred while attempting to obtain the list of active TimeFinder sessions.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP631E

SYSCALL RETURN CODE ERROR ON VOLUME volser, EXPECTED 1700, ACTUAL rc
or

SYSCALL RETURN CODE ERROR ON VOLUME volser, EXPECTED 170000, ACTUAL rc

Cause
An attempt to determine the active TimeFinder session has failed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP632E

SYSCALL FORMAT ERROR ON VOLUME volser, EXPECTED 0147, ACTUAL xxxx

Cause
The response from the storage system is not valid.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP640E

I/O ERROR (SYSCALL 015E) ON VOLUME volser, RC: rc

Cause
An I/O error occurred while attempting to obtain the list of devices using TimeFinder sessions.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP641E

or

SYSCALL RETURN CODE ERROR ON VOLUME volser, EXPECTED 1700, ACTUAL rc

or

SYSCALL RETURN CODE ERROR ON VOLUME volser, EXPECTED 170000, ACTUAL rc
Cause
An attempt to determine the list of devices using TimeFinder sessions has failed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP642E

SYSCALL FORMAT ERROR ON VOLUME xxxxxx, EXPECTED 015E, ACTUAL xxxx

Cause
The response from the storage system is not valid.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP650E

STRIPED TARGET DATASET ALLOCATED, NOT ENOUGH STRIPES

Cause
The target dataset was successfully allocated. Either the source dataset or the target dataset is a striped dataset. Both datasets must be striped in order for the copy to succeed. If both are striped datasets, the number of volumes used in the striped must be identical.

Action
To process this dataset, specify data mover (IDCAMS). The Dell EMC Mainframe Enablers TimeFinder Utility for z/OS Product Guide provides more information on IDCAMS.

ESNP650I

STRIPED TARGET DATASET ALLOCATED, NOT ENOUGH STRIPES

Cause
The target dataset was successfully allocated. Either the source dataset or the target dataset is a striped dataset. Normally, both datasets must be striped in order for the copy to succeed. Since a logical datamovername was specified, the copy will proceed using the datamover.
Action
To process this dataset, specify data mover (IDCAMS). The Dell EMC Mainframe Enablers TimeFinder Utility for z/OS Product Guide provides more information on IDCAMS.

ESNP651I

SOURCE DATASET STRIPES: stripe count DSNAME: dsname

Cause
This message immediately follows message ESNP650E and identifies the source dataset and the number of stripes/volumes allocated to the dataset.

Action
Refer to message ESNP650E.

ESNP652I

TARGET DATASET STRIPES: stripe count DSNAME: dsname

Cause
This message immediately follows message ESNP651E and identifies the target dataset and the number of stripes/volumes allocated to the dataset.

Action
Refer to message ESNP650E.

ESNP653E

STRIPED TARGET DATASET ALLOCATED, NOT USABLE

Cause
The target dataset stripe information does not match the source dataset stripe information. They are both extended format non-VSAM datasets with a stripe count of one. Under these circumstances, both datasets must have exactly the same number of tracks on each of the volumes allocated, and they must both have the same number of volumes allocated.

Action
Refer to the next message in the log for further information.

ESNP653I

STRIPED TARGET DATASET ALLOCATED, NOT USABLE

Cause
The target dataset stripe information does not match the source dataset stripe information. They are both extended format non-VSAM datasets with a stripe count of one. Normally, both datasets must have exactly the same number of tracks on each
of the volumes allocated, and they must both have the same number of volumes allocated. Since a logical datamovername was specified, the copy will proceed using the datamover.

**Action**
Refer to the next message in the log for further information.

### ESNP654I

**SOURCE AND TARGET MUST HAVE EXACTLY THE SAME NUMBER OF TRACKS ON EACH VOLUME**

**Cause**
The source and target datasets must have the same number of tracks allocated to each of the volumes.

**Action**
Refer to message ESNP653E for additional information.

### ESNP655I

**SOURCE AND TARGET MUST HAVE EXACTLY THE SAME NUMBER OF VOLUMES**

**Cause**
The source and target datasets must have the same number of volumes allocated.

**Action**
Refer to message ESNP653E for additional information.

### ESNP656I

**WHEN STRIPE COUNT = 1**

**Cause**
This message is a continuation of messages ESNP653E or ESNP655I.

**Action**
Refer to the previous messages in the log.

### ESNP657I

**SOURCE SMS CLASSES - DATA: xxx MANAGEMENT: yyy STORAGE: zzz**

**Cause**
Identifies the SMS classes detected for the source dataset.

**Action**
None.
ESNP658I

TARGET SMS CLASSES - DATA: xxx MANAGEMENT: yyy STORAGE: zzz

**Cause**
Identifies the SMS classes used for the target dataset.

**Action**
None.

ESNP660E

WAITFORCOMPLETION(HH:MM:SS) AND WAITFORCOMPLETION(YES|NO) CANNOT BOTH BE SPECIFIED

**Cause**
The parameter WAITFORCOMPLETION was specified twice, once with yes or no being indicated, and a second time with a time limit.

**Action**
Remove the incorrect parameter.

ESNP670I

COMPLETION CHECK COPYING DATASET xxx

**Cause**
WAITFORCOMPLETION was specified for this dataset copy operation.

**Action**
None.

ESNP671I

COMPLETION CHECK COPYING VOLUME volser TO volser

**Cause**
WAITFORCOMPLETION was specified for this volume copy operation.

**Action**
None.

ESNP672I

CHECK COMPLETE, COPY NEVER STARTED


Cause
WAITFORCOMPLETION was specified for this copy operation. The copy operation was never started.

Action
Review the TimeFinder log for additional error messages. Correct those errors and try the operation again.

ESNP673I

TRACKS REMAINING TO BE COPIED: count

Cause
WAITFORCOMPLETION was specified with the MESSAGES subparameter. The copy operation has not completed and the number of tracks remaining to be copied is identified.

Action
None.

ESNP674I

CHECK COMPLETE, COPY COMPLETE

Cause
WAITFORCOMPLETION was specified and the copy has completed.

Action
None.

ESNP675E

CHECK COMPLETE, COPY HAS NOT COMPLETED

Cause
WAITFORCOMPLETION was specified with a time limit. The time limit is exhausted, but the copy operation has not finished.

Action
Either use a larger time period, or specify WAITFORCOMPLETION(YES) instead of using a time period.

ESNP675I

CHECK COMPLETE, COPY HAS NOT COMPLETED

Cause
WAITFORCOMPLETION was specified with a time limit. The time limit is exhausted, but the copy operation has not finished.
**ESNP675W**

**CHECK COMPLETE, COPY HAS NOT COMPLETED**

**Cause**
WAITFORCOMPLETION was specified with a time limit. The time limit is exhausted, but the copy operation has not finished.

**Action**
Either use a larger time period, or specify WAITFORCOMPLETION(YES) instead of using a time period.

**ESNP676W**

**FOR THE PAST HOUR, TRACKS REMAINING TO BE COPIED HAVE NOT CHANGED**

**Cause**
WAITFORCOMPLETION was specified for this copy operation. An hour has passed and the number of tracks remaining to be copied has not changed during that time period.

**Action**
If a large number of copy operations are currently in progress, this may be normal. Otherwise, contact the Dell EMC Customer Support Center for technical assistance.

**ESNP677I**

**TO yyy**

**Cause**
This message immediately follows message ESNP670I and specifies the target dataset name.

**Action**
Refer to message ESNP670I.

**ESNP678I**

**R1R2 TRACKS REMAINING TO SYNC: xxxxxxxxx**

**Cause**
The WAITFORCOMPLETION(R1R2SYNC) option was specified with the MESSAGES subparameter. The copy operation has not completed and the number of tracks remaining to be copied is identified.
Action
None.

**ESNP679I**

R1R2SYNC CHECK COMPLETE, COPY COMPLETE

**Cause**
WAITFORCOMPLETION(R1R2SYNC) was specified and the synchronization has completed.

**Action**
None.

**ESNP680E**

INTERNAL EXTENT TABLE SIZE EXCEEDED

**Cause**
An internal table used to contain the extent track is not large enough.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNP681E**

INTERNAL SORT FAILED WITH CODE rc

**Cause**
The internal sort failed while sorting the extent track.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNP690E**

UNABLE TO BUILD ACB FOR FILE: dsname

**Cause**
An attempt to generate an ACB for the file has failed.
Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP691E

UNABLE TO BUILD RPL FOR FILE: dsname

Cause
An attempt to generate an RPL for the file has failed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP692E

UNABLE TO OPEN FILE FOR EXPANSION: dsname

Cause
An attempt to open the file has failed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP700E

UNABLE TO OPEN FILE FOR EXPANSION: dsname

Cause
An attempt to open the file has failed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNP710E

SNAP API - I/O ERROR READING R0 RECORDS

Cause
An I/O error occurred while reading R0 records from the source device.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP711E

SNAP API - SYMMETRIX NOT A SYM4 OR NEWER

Cause
The target storage system is not a Symmetrix 4 or newer. Only Symmetrix 4 or newer machines support the appropriate operating environment.

Action
TimeFinder functionality is not available on the current level of the storage system.

ESNP712E

EMC SNAP API - I/O ERROR OBTAINING SUPPORTED SYSCALL LIST

Cause
An I/O error occurred while attempting to obtain the list of supported syscalls.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP713E

EMC SNAP API - I/O ERROR CHECKING TARGET PROTECTION

Cause
An I/O error occurred while checking the status of the target protection.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct
the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNP714E**

**EMC Snap API - Target Extent is Currently Protected**

**Cause**
The target dataset is either protected by a concurrent copy session, or the source of a previous TimeFinder request.

**Action**
Wait for the existing operation on the target location to complete and try again.

**ESNP715E**

**EMC Snap API - Unable to Acquire Storage for I/O**

**Cause**
Insufficient virtual storage was available for I/O control blocks.

**Action**
Check the region specification and re-submit the job.

**ESNP716E**

**EMC Snap API - I/O Error Reading Source Track Image**

**Cause**
An I/O error occurred reading a track from the source or target volume.

**Action**
The specified device must be online and there must be a path online to the device. Use the z/OS command DISPLAY PATH to view the device and path status. Use GTF to trace the I/O to the device. Save the output from GTF and from this job and contact the Dell EMC Customer Support Center for technical assistance.

**ESNP717E**

**EMC Snap API - I/O Error Writing Target Track Image**

**Cause**
An I/O error occurred writing to the target volume.

**Action**
The specified device must be online and there must be a path online to the device. Use the z/OS command DISPLAY PATH to view the device and path status. Use GTF to trace the I/O to the device. Save the output from GTF and from this job and contact the Dell EMC Customer Support Center for technical assistance.
ESNP718E

EMC SNAP API - ESTABLISH EXTENT FAILED WITH RC=1700

**Cause**
Operating environment error.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP719E

EMC SNAP API - MIXED FBA AND CKD DEVICES IN REQUEST

**Cause**
A request to snap both FBA and CKD volumes in the same request.

**Action**
If the source is FBA, the target must also be FBA. If the source is CKD, the target must also be CKD.

ESNP720E

UNABLE TO LOAD THE FDRDSF PROGRAM, RC = rc

**Cause**
An attempt to load the FDRDSF data mover program has failed with the indicated return code.

**Action**
If the return code is a '106', additional region space may correct the problem. If the return code is '806', an authorized //STEPLIB pointing to the FDR program library will correct the problem.

ESNP721E

FDRDSF LOAD MODULE EYE- CATCHER NOT FOUND

**Cause**
The loaded FDRDSF program is missing a required eye-catcher.

**Action**
Ensure that version 5.3/22 or newer of FDRDSF is available. If the problem persists, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNP722E

FDRDSF LOAD MODULE VERSION ID NOT FOUND

Cause
The loaded FDRDSF program is missing the required version identifier.

Action
Ensure that version 5.3/22 or newer of FDRDSF is available. If the problem persists, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP723E

FDRDSF LOAD MODULE IS AT VERSION version, REQUIRES VERSION 5.3/22 OR ABOVE

Cause
The loaded FDRDSF program is not at the proper version.

Action
Ensure that version 5.3/22 or newer of FDRDSF is available. If the problem persists, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP724E

FDRDSF LOAD MODULE IS AT VERSION version, REQUIRES VERSION 5.3/22 OR ABOVE

Cause
The loaded FDRDSF program is at version 5.3, but it is not at the proper level.

Action
Ensure that version 5.3/22 or newer of FDRDSF is available. If the problem persists, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP730E

READ OF VVDS RECORDS FAILED, RC: rc

Cause
An attempt to read the VVDS record for the target dataset has failed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP731I

TARGET DATASET NAME: dsname VOLSER: volser

Cause
This message immediately follows message ESNP730E and identifies the target dataset.

Action
Refer to message ESNP730E.

ESNP740E

DATASET NOT FOUND IN CATALOG: dsname

Cause
An attempt to validate the cluster name specified in the RELATE parameter has failed. The dataset was not found in the system catalog.

Action
Correct the dataset name specified in the RELATE parameter.

ESNP741E

DATASET dsname IS NOT A VSAM CLUSTER

Cause
The dataset name specified in the RELATE parameter is not a VSAM cluster.

Action
Correct the dataset name specified in the RELATE parameter.

ESNP750E

USER VARY EXIT HAS FAILED THIS REQUEST

Cause
The site has supplied a user vary exit routine. This routine was called prior to a VARY device OFFLINE or VARY device ONLINE. The user vary exit routine has failed the request.

Action
Refer to the following message (ESNP751I) which will contain a message supplied by the user vary exit routine.
ESNP751I

R15: value R0: value R1: value MSG: user-message

Cause
The site user vary exit routine has failed a vary request. This message lists the information returned by the user vary exit routine.

Action
Contact your site administrator for further information.

ESNP760E

READ FOR TARGET DATASET DSCB FAILED, CVAFDIR RC: rc

Cause
An attempt to read the target dataset DSCB has failed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP761I

TARGET DATASET NAME: dsname VOLSER: volser

Cause
This message immediately follows message ESNP760E and identifies the source dataset.

Action
Refer to message ESNP760E.

ESNP771I

** TYPRUN(SCAN) **

Cause
This line appears in the summary report when TYPRUN(SCAN) is specified.

Action
None. This is a reminder that no action was really performed since TYPRUN(SCAN) was specified.
ESNP772I

** TYPRUN (NORUN) **

**Cause**
This line appears in the summary report when TYPRUN(NORUN) is specified.

**Action**
None. This is a reminder that no action was really performed since TYPRUN(NORUN) was specified.

ESNP773I

** PREPARE_FOR_SNAP ENABLED **

**Cause**
This message is produced in the summary report at the end of the run.

**Action**
None.

ESNP780E

THE SOURCE AND TARGET DATASETS ARE NOT THE SAME TYPE OF DATASET

**Cause**
The target dataset already exists and parameters REPLACE(YES) and REUSE(YES) have been specified. The target dataset is not the same type of dataset as the source dataset. This means that they both must be VSAM datasets, or they both must be non-VSAM datasets. An AIX may not be snapped to a KSDS or ESDS.

**Action**
Specify REPLACE(YES) and REUSE(NO) to cause the target dataset to be erased and reallocated. Otherwise, correct the target dataset name. Also, if REPLACE(Yes), REUSE(Yes), and TOLERATE_REUSE_FAILURE(Yes) is specified, this dataset is erased and reallocated.

ESNP780I

THE SOURCE AND TARGET DATASETS ARE NOT THE SAME TYPE OF DATASET

**Cause**
The target dataset already exists and parameters REPLACE(YES) and REUSE(YES) have been specified. The target dataset is not the same type of dataset as the source dataset. This means that they both must be VSAM datasets, or they both must be non-VSAM datasets. An AIX may not be snapped to a KSDS or ESDS. Since TOLERATE_REUSE_FAILURE(YES) was specified, processing will continue.
**Action**
Specify REPLACE(YES) and REUSE(NO) to cause the target dataset to be erased and reallocated. Otherwise, correct the target dataset name. Also, if REPLACE(Yes), REUSE(Yes), and TOLERATE_REUSE_FAILURE(Yes) is specified, this dataset is erased and reallocated.

**ESNP781I**

**SOURCE DATASET NAME:** dsname CI/CA: nnn CISIZE: nnnn TRK/AU: nnnn

**Cause**
This message immediately follows message ESNP780E and identifies the source dataset.

**Action**
Refer to message ESNP780E.

**ESNP782I**

**TARGET DATASET NAME:** dsname CI/CA: nnn CISIZE: nnnn TRK/AU: nnnn

**Cause**
This message immediately follows message ESNP780E and identifies the target dataset.

**Action**
Refer to message ESNP780E.

**ESNP783E**

**NEITHER DATASET CAN BE EXTENDED FORMAT WHEN CONVERTING VS TO PS**

**Cause**
A VSAM component is being converted to a sequential file. Either the source VSAM component or the target sequential dataset is extended.

**Action**
Try again using a non-extended format dataset.

**ESNP783I**

**NEITHER DATASET CAN BE EXTENDED FORMAT WHEN CONVERTING VS TO PS**

**Cause**
A VSAM component is being converted to a sequential file. Either the source VSAM component or the target sequential dataset is extended. Since a logical datamovername was specified, the copy will proceed using the datamover.

**Action**
Try again using a non-extended format dataset.
ESNP784E

BOTH DATASETS MUST HAVE THE SAME CI/CA, CISIZE AND TRK/AU

Cause
The source and target datasets do not have the same CI/CA ratio, CISIZE, or tracks per allocation unit. Unable to reuse the target dataset.

Action
The target dataset may not be reused with this source dataset. Try again with a different target dataset, or change the REUSE(YES) to REUSE(NO).

ESNP790I

MIGRATED DATASET HAS BEEN PURGED: dsname

Cause
The target dataset already existed and was migrated. REPLACE(YES) and MIGRATE(PURGE(YES)) have been specified. The migrated target dataset has been successfully purged.

Action
None.

ESNP791E

HSM REQUEST TO PURGE A MIGRATED DATASET FAILED WITH RC: returncode RS: reasoncode

Cause
The target dataset already existed and was migrated. REPLACE(YES) and MIGRATE(PURGE(YES)) have been specified. The attempt to purge the migrated target dataset has failed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP792I

UNABLE TO PURGE MIGRATED DATASET: dsname

Cause
This message is a continuation of message ESNP791E and identifies the target dataset.
Action
Refer to message ESNP791E.

ESNP800I

**MIGRATED DATASET HAS BEEN RECALLED:** dsname

**Cause**
The source dataset has been migrated and MIGRATE(RECALL(YES)) has been specified. The migrated source dataset has been successfully recalled.

**Action**
None.

ESNP801E

**HSM REQUEST TO RECALL A MIGRATED DATASET FAILED WITH RC:**
returncode RS: reasoncode

**Cause**
The source dataset has been migrated and MIGRATE(RECALL(YES)) has been specified. The attempt to recall the migrated source dataset has failed.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP802I

**UNABLE TO RECALL MIGRATED DATASET:** dsname

**Cause**
This message is a continuation of message ESNP801E and identifies the source dataset.

**Action**
Refer to message ESNP801E.

ESNP810E

**RENAMEUNCONDITIONAL IS ONLY VALID WHEN SPHERE(YES) IS SPECIFIED**

**Cause**
RENAMEUNCONDITIONAL has been specified. RENAMEUNCONDITIONAL is only valid with SPHERE(YES). SPHERE(YES) has not been specified.
**Action**
Specify SPHERE(YES) or remove the RENAMEUNCONDITIONAL parameter.

**ESNP811E**

AN UNEQUAL NUMBER OF (OLDMASK,NEWMASK) PAIRS HAVE BEEN SPECIFIED FOR RENAMEUNCONDITIONAL

**Cause**
The (oldnamemask, newnamemask) pairs must match up. Only one “prefix” may be specified and it must be the first subparameter of the RENAMEUNCONDITIONAL parameter.

**Action**
Correct the RENAMEUNCONDITIONAL parameter syntax.

**ESNP812E**

THE RENAMEUNCONDITIONAL PREFIX IS LARGER THAN 8 CHARACTERS

**Cause**
The RENAMEUNCONDITIONAL (prefix) parameter has been used. The prefix is limited to a single index level of no more than eight characters.

**Action**
Correct the RENAMEUNCONDITIONAL (prefix) parameter.

**ESNP813I**

PREFIX: prefixname

**Cause**
This message immediately follows message ESNP812E and identifies the prefix.

**Action**
Refer to message ESNP812E.

**ESNP820E**

SPHERE(YES) CANNOT BE USED WITH WILD SOURCE OR TARGET NAMES

**Cause**
SPHERE(YES) has been specified with a wild source or wild target dataset name. The SPHERE parameter is only valid with a specific source and target.

**Action**
Remove the SPHERE(YES) parameter or correct the source and target dataset names.
ESNP821E

SPHERE(YES) AND RELATE ARE MUTUALLY EXCLUSIVE

Cause
SPHERE(YES) and RELATE(dsname) have both been used in the same SNAP DATASET command. This is not valid. The SPHERE(YES) parameter may only be used when snapping primary clusters, and the RELATE parameter may only be used when snapping alternate indexes.

Action
Remove the improper clause.

ESNP822E

SPHERE(YES) REQUIRES THE SOURCE TO BE A VSAM CLUSTER

Cause
SPHERE(YES) has been specified with a dataset that is not a primary VSAM cluster.

Action
Remove the SPHERE(YES) parameter, or specify a source dataset that is a primary VSAM cluster.

ESNP823E

INDSORG(VS) AND OUTDSORG(PS) MUST BE SPECIFIED TOGETHER

Cause
One of the parameters INDSORG(VS) or OUTDSORG(PS) was specified.

Action
Either remove the parameter in error, or add the other parameter.

ESNP830E

IDCAMS FAILED WITH RC: rc WHILE DEFINING PATH: pathname

Cause
The IDCAMS definition of the path failed.

Action
Review the IDCAMS allocation message log and correct the indicated problem.
ESNP840E

ERROR OCCURRED ISSUING ENQ FOR DATASET dsname ENQ RC: returncode

Cause
An ENQ for the indicated dataset failed.

Action
None.

ESNP841E

UNABLE TO OBTAIN EXCLUSIVE ENQ FOR DATASET dsname RC: returncode

Cause
An EXCLUSIVE ENQ for the indicated dataset failed. HOSTCOPYMODE(EXCLUSIVE) was indicated, the dataset was not exclusively. TOLERATEENQFAILURE(NO) was also specified.

Action
Because TOLERATEENQFAILURE(NO) was specified, processing for this dataset stops. If the dataset does not need to be exclusively accessed, change the HOSTCOPYMODE to either SHARED or NONE or specify TOLERATEENQFAILURE(YES).

ESNP850E

A SINGLE DATASET HAS BEEN SPECIFIED AS BOTH SOURCE AND TARGET, NOT ALLOWED

Cause
An analysis of the source and target datasets has revealed that they are the same dataset.

Action
Correct the incorrect dataset name.

ESNP851I

DSNAME: dsname

Cause
This message immediately follows message ESNP850E and identifies the dataset.

Action
Refer to message ESNP850E.
ESNP860I

INVOKING DATAMOVER PROGRAM programname

Cause
The requested data mover program is being used.

Action
None.

ESNP870E

IDCAMS FAILED WITH RC: rc WHILE DEFINING GDG: gdgbasename

Cause
The IDCAMS definition of the generation data group failed.

Action
Review the IDCAMS allocation message log and correct the indicated problem.

Note
The Dell EMC Mainframe Enablers TimeFinder Utility for z/OS Product Guide provides more information about IDCAMS.

ESNP871E

UNABLE TO OBTAIN SOURCE GDG BASE INFORMATION FOR: gdgbasename

Cause
An error occurred when obtaining the GDG information for the source dataset.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP880E

SPECIFIED SOURCE DDNAME ddname IS MISSING

Cause
INDDNAME was specified on the SNAP DATASET or SNAP VOLUME command. The indicated DDNAME is not present in the JCL.

Action
Correct the INDDNAME clause, or add the appropriate DD statement to the JCL.
ESNP881E

SPECIFIED SOURCE DDNAME ddname HAS CONCATENATED FILES

Cause
INDDNAME was specified on the SNAP DATASET or SNAP VOLUME command. The indicated DDNAME was found to have concatenated files. This is not supported.

Action
Correct the DD statement in the JCL.

ESNP890E

SPECIFIED TARGET DDNAME ddname IS MISSING

Cause
OUTDDNAME was specified on the SNAP DATASET or SNAP VOLUME command. The indicated DDNAME is not present in the JCL.

Action
Correct the OUTDDNAME clause, or add the appropriate DD statement to the JCL.

ESNP891E

SPECIFIED TARGET DDNAME ddname HAS CONCATENATED FILES

Cause
OUTDDNAME was specified on the SNAP DATASET or SNAP VOLUME command. The indicated DDNAME was found to have concatenated files. This is not supported.

Action
Correct the DD statement in the JCL.

ESNP900E

INDDNAME ddname REFERS TO VOLUME volser, NOT VOLUME volser IN THE SOURCE VOLUME PARAMETER

Cause
Both the INDDNAME and SOURCE(VOLUME) parameters were specified for a SNAP VOLUME command. They point to different devices.

Action
Correct or remove the invalid clause.
ESNP901I

INDDNAME ddname WAS REQUESTED, FOUND USING VOLUME volser

Cause
The INDDNAME volume has been found and identified.

Action
None.

ESNP902E

INDDNAME xxx REFERS TO A PERMANENT DATASET, MUST BE A VOLUME REFERENCE

 Cause
INDDNAME was specified on a SNAP VOLUME command. The indicated DDNAME specified DSN=, not just VOL=SER=.

Action
Correct the INDDNAME DD statement in the JCL.

ESNP910E

OUTDDNAME ddname REFERS TO VOLUME volser, NOT VOLUME volser IN THE TARGET VOLUME PARAMETER

Cause
Both the OUTDDNAME and TARGET(VOLUME) parameters were specified for a SNAP VOLUME command. They point to different devices.

Action
Correct or remove the invalid clause.

ESNP911I

OUTDDNAME ddname WAS REQUESTED, FOUND USING VOLUME volser

Cause
The OUTDDNAME volume has been found and identified.

Action
None.

ESNP912E

OUTDDNAME xxx REFERS TO A PERMANENT DATASET, MUST BE A VOLUME REFERENCE
Cause
OUTDDNAME was specified on a SNAP VOLUME command. The indicated DDNAME specified DSN=, not just VOL=SER=.

Action
Correct the OUTDDNAME DD statement in the JCL.

ESNP913E

DDNAME ddname REFERS TO VOLUME volser WHICH CANNOT BE USED DUE TO AN ERROR IN EXTENTS PROGRAM

Cause
The message indicates that the volume volser referred by the DDNAME ddname cannot be handled properly. This may be due to the volume being an R2.

Action
: Check whether the volume is an R2 device and choose another one if it is.

ESNP920E

ICKDSF REFVTOC FOR VOLUME volser FAILED WITH RC: rc

Cause
The call to ICKDSF to perform the REFVTOC failed. Review the error log for related messages.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP922W

ICKDSF REFVTOC FOR VOLUME volser NOT RUN

Cause
The indicated volser is offline. ICKDSF REFVTOC was not run.

Action
Run ICKDSF REFVTOC on the indicated volser. It should be online when you run it.

ESNP923I

DEVICE IS OFFLINE. YOU SHOULD RUN REFVTOC MANUALLY BEFORE PROCEEDING

Cause
Refer to prior message ESNP922W.
ESNP930E

ERROR RETURNED FROM NAMETOKN, RC=rc

Cause
The call to the NAMETOKN program failed with the indicated return code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNP960I

WAITING FOR EXCLUSIVE RESERVE FOR VOLUME xxx

Cause
ENQWAIT(YES) was specified on the TimeFinder request, and the volume is reserved/in use by another task.

Action
The TimeFinder request waits until the volume is available.

ESNP961I

WAITING FOR EXCLUSIVE ENQ FOR VOLUME xxx

Cause
ENQWAIT(YES) was specified on the TimeFinder request, and the volume is in use by another task.

Action
The TimeFinder request waits until the volume is available.

ESNP970W

BCVGROUP, SCFGROUP, UNITNAME, OR VOLUME WAS SPECIFIED, NO VOLUMES SELECTED

Cause
The volumes that were specified by the indicated parameter were not online.

Warning: If the source data set is SMS-controlled and all the target volumes are SMS candidates, then the snap operation may not terminate as expected and a copy to SMS target volumes may still progress.
ESNP971E

Source dataset is an extended format dataset and requires an SMS Storage group to be selected.

Cause
Either the user did not specify a SMS storage class, or the ACS routine did not specify a SMS storage class.

Action
An extended format dataset can only be copied to a valid SMS storage group. Add the STORCLAS parameter to the request and specify a valid SMS storage class.

ESNP972I

Source dataset mismatch with target dataclass

Cause
The source dataset type (compressed or extended) does not match the type indicated in the target data class.

Action
Correct the data class to match the type of source dataset.

ESNP973I

Source type: type1 Target dataclass type: type2

Cause
Follows ESNP972I and identifies the existing source dataset type (compressed or extended) and the conflicting target data class type.

Action
None. Refer to ESNP972I.

ESNP974E

Logical datamover required, and extent allocation must not be used

Cause
Follows ESNP972I. A logical copy of the data is desired, but extent allocation was specified. Extent allocation will make an identical copy of the dataset set (including dataset type).

Action
Specify EXTENT_ALLOCATION(NO) and rerun.
ESNP975I

EXTENT_ALLOCATION(NO) FORCED, LOGICAL DATA MOVER SPECIFIED AND WILL BE USED

Cause
Refer to message ESNP972I, which precedes this message in the output log file. Because the source and target are of different types, a physical copy will not result in a usable file. Instead, a logical copy using the requested data mover will be performed.

Action
None.

ESNP980E

THE COPY FOR DATASET xxxx CANNOT OCCUR

Cause
The specified operation cannot process the specified dataset because the target is either not on the same storage system or is not a BCV (at least Enginuity 5265).

Action
See the following message for additional detail and corrective action.

ESNP981E

A DATAMOVER UTILITY IS REQUIRED

Cause
This message follows message ESNP980E to indicate the cause of the error.

Action
Re-specify the operation with the DATAMOVERNAME parameter.

ESNP982E

TARGET DEVICE HAS "INHIBIT OUTBOARD COPY" SET, PREVENTING MICROCODE COPIES

Cause
The requested target device has "inhibit outboard copy" set. This prevents any operating environment copies from occurring.

Action
Choose one of the following options:

- Review the IBM documentation and make the device write enabled.
- Use CONFIG to change the "inhibit outboard copy" setting.
Choose another device.

ESNP983I

S/N xxxxxxx-xxxxx - TEMPORARY ACCESS GRANTED AS LICENSE COULD NOT BE DETERMINED.

**Cause**
License information for storage system xxxxxxx-xxxxx could not be determined so temporary access was granted.

**Action**
Issue a DEV,RESCAN command of SCF (ResourcePak Base).

ESNP990I

*message text*

**Cause**
This message contains the text of the IDCAMS log file.

**Action**
None.

ESNP991I

*message text*

**Cause**
This message contains the text of the FDRDSF log file.

**Action**
None.

ESNP992I

*message text*

**Cause**
This message contains the text of the ADRDSSU log file.

**Action**
None.

ESNP993I

*message text*
ESNP994I

Cause
This message contains the text of the ICKDSF REFVTOC log file.

Action
None.

ESNPA00I

PROCESSING FOR STATEMENT # nn BEGINNING, DEBUG DATASET REQUEST

Cause
A DEBUG DATASET command is being processed.

Action
None.

ESNPA01I

PROCESSING FOR STATEMENT # nn COMPLETED, HIGHEST RETURN CODE ENCOUNTERED IS rc

Cause
Processing for a DEBUG DATASET command has completed. The highest return code encountered is identified.

Action
None.

ESNPA02I

SOURCE MASK: xxx

Cause
This message immediately follows message ESNPA00I, indicating the source dataset name mask.

Action
None.
ESNPA04I

**EXCLUDE MASK: **xxx

**Cause**
This message immediately follows message ESNPA02I and identifies the exclude dataset name mask (if present).

**Action**
None.

ESNPA05I

**SOURCE DDNAME: **xxxx

**Cause**
This message immediately follows message ESNPA00I identifying the source DD statement used.

**Action**
None.

ESNPA10I

**IDCAMS COMPLETED WITH RC: **nn WHILE VERIFYING DSNAME: xxx

**Cause**
The IDCAMS verify of the dataset completed with no errors.

**Note**
The Dell EMC Mainframe Enablers TimeFinder Utility for z/OS Product Guide provides more information about IDCAMS.

**Action**
None.

ESNPA11I

**IDCAMS COMPLETED WITH RC: **nn WHILE EXAMINING DSNAME: xxx

**Cause**
The IDCAMS examine of the dataset completed with no errors.

**Note**
The Dell EMC Mainframe Enablers TimeFinder Utility for z/OS Product Guide provides more information about IDCAMS.
Action
None.

ESNPA12E

IDCAMS COMPLETED WITH RC: nn WHILE VERIFYING DSNAME: xxx

Cause
The IDCAMS verify of the dataset completed with errors.

Action
Review the IDCAMS verify message log and correct the indicated problem.

Note
The Dell EMC Mainframe Enablers TimeFinder Utility for z/OS Product Guide provides more information about IDCAMS.

ESNPA13E

IDCAMS COMPLETED WITH RC: nn WHILE EXAMINING DSNAME: xxx

Cause
The IDCAMS examine of the dataset completed with errors.

Action
Review the IDCAMS examine message log and correct the indicated problem.

Note
The Dell EMC Mainframe Enablers TimeFinder Utility for z/OS Product Guide provides more information about IDCAMS.

ESNPA20E

THE SOURCE DATASET IS xx AND THE TARGET DATASET IS yy

Cause
The source and target datasets identified are of mixed dataset types. This indicates that one dataset is: (EXTENDED, NON-EXTENDED, COMPRESSED, NON-COMPRESSED) and does not match the other dataset type.

Action
The source and target dataset must be of the same type.

More Information
If you specify a logical datamovername (such as IDCAMS or DFDSS), the copy will proceed using the logical data mover.
ESNPA20I

THE SOURCE DATASET IS xx AND THE TARGET DATASET IS yy

**Cause**
The source and target datasets identified are of mixed dataset types. This indicates that one dataset is: (EXTENDED, NON-EXTENDED, COMPRESSED, NON-COMPRESSED) and the other dataset is a different type.

**Action**
The source and target dataset must be of the same type. A physical copy of the source dataset contents to the target dataset will result in an unusable dataset. Since a logical datamovername was specified, the copy will proceed using the datamover.

ESNPA21I

SOURCE DATASET NAME: dsname

**Cause**
This message immediately follows message ESNPA20E and identifies the source dataset name.

**Action**
Refer to message ESNPA20E.

ESNPA22I

TARGET DATASET NAME: dsname

**Cause**
This message immediately follows message ESNPA21I and identifies the target dataset name.

**Action**
Refer to message ESNPA20E.

ESNPA30I

MICROCODE PATCH xxxxxxxxx IS MISSING, UNABLE TO UTILIZE VOLUME PREFERENCING

**Cause**
The identified operating environment patch is required when using volume preferencing.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPA40I**

| ERROR ENCONTERED BY IBM SNAPSHOT - RC: x RTNCODE: y RSNCODE: z |

**Cause**
An error occurred while invoking SNAPSHOT to process a TimeFinder request on a SNAPSHOT capable storage system. The reason code (RSNCODE) and return code (RTNCODE) displayed are IBM ANTRQST codes.

**Action**
Consult the ANTRQST reason and return codes chapter in the IBM manual, MVS System Messages for more information about these codes.

Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPA50E**

| EMCACS ENDED WITH ERROR, RC: |

**Cause**
An error occurred interfacing with SMS while processing a TimeFinder request.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPA51I**

| message |

**Cause**
Description of error encountered. This is a result of invoking the customer's ACS routine. Any messages produced by the ACS routine will be shown with this message prefix.

**Action**
Refer to contents of the message.
ESNPA60E

INVALID COMPONENT IDENTIFIED - TYPE: xxx

Cause
The source dataset contains an invalid component and cannot be processed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPA61E

UNABLE TO GENERATE COMPONENT NAME FOR CLUSTER xx, TYPE yyy

Cause
The target dataset name generated for a component of a VSAM Cluster is invalid.

Action
Check the SNAP DATASET TARGET parameter specified and correct as necessary.

ESNPA62E

UNABLE TO GENERATE COMPONENT NAME FOR PATH DEFINITION ,pathname, YOU SHOULD USE "RENAMEU"

Cause
The target path name generated for a component of a VSAM Cluster is invalid.

Action
Use the RENAMEUNCONDITIONAL parameter to inform this application how you would like the new target pathname to be generated.

ESNPA70I

DATASET ALLOCATED SUCCESSFULLY

Cause
The target dataset extents have been allocated using the EXTENT_ALLOCATION feature.

Action
None.
ESNPA71E

RETURN CODE: (xx-yy) FROM EXTENT_ALLOCATION FOR DSNAME: zzzz

Cause
An error was encountered during target dataset allocation when using the EXTENT_ALLOCATION feature.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPA80I

VALIDATING TRACKS SNAPPED FROM SOURCE DATASET xxx

Cause
Identifies the source dataset name being validated.

Action
None.

ESNPA81I

TO TARGET DATASET: dsname

Cause
Identifies the target dataset name, for the source dataset in message ESNPA80I.

Action
None.

ESNPA82I

SOURCE VOLUME: zzz (S/N sssssssssss/xxxx) CCHH: aaa

Cause
Identifies the volume and physical location of the source and target extents being processed.

Action
None.
ESNPA83I

TARGET VOLUME: zzz (S/N ssssss-ssss/xxxx) CCHH: aaa TRACK# +bbb

Cause
Identifies the volume and physical location of the target extents being processed.

Action
None.

ESNPA84S

PARALLEL TASK FOR THIS REQUEST ABNORMALLY TERMINATED

Cause
Subtask terminated. See console log for details.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPA90E

SOURCE TRACK (x) VALIDATION COMPLETE - TARGET TRACK (y) HAS MORE BLOCKS

Cause
An error was identified during validation processing.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPA91E

TARGET TRACK (x) VALIDATION COMPLETE - SOURCE TRACK (y) HAS MORE BLOCKS

Cause
An error was identified during validation processing.
Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPA92E

SOURCE TRACK CCHH DESIRED (x) DOESN’T MATCH TRACK CCHH READ (y)

Cause
An error was identified during validation processing.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPA93E

TARGET TRACK CCHH DESIRED (x) DOESN’T MATCH TRACK CCHH READ (y)

Cause
An error was identified during validation processing.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPA94E

SOURCE RECORD NUMBER IN COUNT (x) DOESN’T MATCH TARGET RECORD NUMBER IN COUNT (y)

Cause
An error was identified during validation processing.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNPA95E

SOURCE KEY LENGTH IN COUNT (x) DOESN’T MATCH TARGET KEY LENGTH IN COUNT (y)

Cause
An error was identified during validation processing.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPA96E

SOURCE DATA LENGTH IN COUNT (x) DOESN’T MATCH TARGET DATA LENGTH IN COUNT (y)

Cause
An error was identified during validation processing.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPB00E

SOURCE TRACK (x) KEY FIELD DOESN’T MATCH TARGET TRACK (y) KEY FIELD

Cause
An error was identified during validation processing.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPB01E

SOURCE TRACK (x) DATA FIELD DOESN’T MATCH TARGET TRACK (y) DATA FIELD
**Cause**
An error was identified during validation processing.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPB10E**

ERROR OCCURRED ISSUING SYSVSAM ENQ FOR DATASET dsname ENQ RC: rc

**Cause**
The VSAMENQMODE parameter was specified and an unexpected error occurred while processing the ENQ macro.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPB11E**

UNABLE TO OBTAIN EXCLUSIVE SYSVSAM ENQ FOR DATASET dsname RC: rc

**Cause**
VSAMENQMODE(EXCLUSIVE) was requested with TOLERATEVSAMENQMODE(NO). The dataset is currently not available.

**Action**
Either change one of the parameters (VSAMENQMODE or TOLERATEVSAMENQMODE) to be less restrictive, or wait until after the job that currently has the VSAM dataset open to end.

**ESNPB12E**

UNABLE TO OBTAIN SHARED SYSVSAM ENQ FOR DATASET dsname RC: rc

**Cause**
VSAMENQMODE(SHARED) was requested with TOLERATEVSAMENQMODE(NO). The dataset is currently not available.

**Action**
Either change one of the parameters (VSAMENQMODE or TOLERATEVSAMENQMODE) to be less restrictive, or wait until after the job that currently has the VSAM dataset open to end.
ESNPB13W

UNABLE TO OBTAIN EXCLUSIVE SYSVSAM ENQ FOR DATASET dsname

Cause
VSAMENQMODE(EXCLUSIVE) was requested with TOLERATEVSAMENQMODE(YES). The dataset is currently in use.

Action
None. The operation continues normally.

ESNPB14W

UNABLE TO OBTAIN SHARED SYSVSAM ENQ FOR DATASET dsname

Cause
VSAMENQMODE(SHARED) was requested with TOLERATEVSAMENQMODE(YES). The dataset is currently in use.

Action
None. The snap continues normally.

ESNPB20W

VSAM OPEN INDICATOR SET FOR CLUSTER: dsname

Cause
A VSAM dataset has the open (for update) indicator set in the VVDS. This is set by VSAM whenever a VSAM dataset is opened for update. It is reset when the VSAM dataset is closed normally. If the open (for update) indicator is currently set, it may be that a job currently has the VSAM dataset opened for update, or a job which had the dataset opened for update has ended abnormally. If the VSAM dataset is opened for update by another job at the same time it is being snapped, the integrity of the data in the dataset may be questionable.

Action
Normally, the next job that attempts to open the VSAM dataset for update purposes causes a VERIFY to automatically run, correcting any latent issues with the dataset. TimeFinder never opens the source dataset for update and does not cause VERIFY to be run on the source dataset. TimeFinder does normally run a VERIFY against the target dataset, so the target dataset should not have any latent issued. To prevent this message from being issued, you may use the HOSTCOPYMODE parameter to indicate that EXCLUSIVE access to the dataset desired, preventing it from being opened by any other job while being snapped. If the dataset is not allocated to any other jobs, you might with to run an IDCAMS VERIFY against the source dataset prior to running TimeFinder.
ESNPB21I

**Cause**
A VSAM dataset has the open (for update) indicator set in the VVDS. This is set by VSAM whenever a VSAM dataset is opened for update. It is reset when the VSAM dataset is closed normally. If the open (for update) indicator is currently set, it may be that a job currently has the VSAM dataset opened for update, or a job which had the dataset opened for update has ended abnormally. If the VSAM dataset is opened for update by another job at the same time it is being snapped, the integrity of the data in the dataset may be questionable. The parameter VERIFY_OPEN_SOURCE(YES) was coded and an attempt is made to VERIFY the cluster. If the cluster is not actually in use by another job, this VERIFY should reset the VSAM open indicator. If the cluster is in use by another job, the VERIFY is not able to reset the VSAM open indicator.

After the VERIFY has completed, the VSAM open indicator is again checked.

**Action**
None.

ESNPB30E

**Cause**
After resolving the SMS class information, no SMS volumes were found to be available.

**Action**
Correct the SMS class information and try again.

ESNPB40E

**Cause**
An error was detected when obtaining the path group information for the indicated volume.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNPB50E

ERROR RETURNED FROM DEVICESTATUS API FOR VOLUME (volser S/N ssssss-ssss/dddd) RC: rc EMCRC: rc EMCRS: rs EMCRCX: rcx

Cause
An error was detected when obtaining device information for the indicated volume.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPB70E

SPECIFYING INDSORG(VS) REQUIRES THAT THE SOURCE DATASET BE A VSAM COMPONENT

Cause
INDSORG(VS) was specified when the source dataset is not a VSAM component.

Action
Either remove the INDSORG(VS) parameter, or correct the source dataset name to refer to a VSAM component.

ESNPB71E

DATASET dsname IS NOT A VSAM COMPONENT DATASET

Cause
This is a continuation of message ESNPB70E.

Action
Refer to message ESNPB70E.

ESNPB80E

TARGET(dsname) AND OUTDDNAME(dsname) ARE MUTUALLY EXCLUSIVE

Cause
A target dataset name and a target ddname may not be used together in the same statement.

Action
Change the action request to only use one of the two parameters.
ESNPB81E

STOP SNAP TO DATASET DOES NOT SUPPORT WILD TARGET NAMES

Cause
A request to stop the snap to a target dataset was detected. The dataset name contains wild card characters.

Action
Correct the action to refer to each dataset by name.

ESNPB82E

THE SCRATCH(YES) AND OUTDDNAME(DDNAME) ARE MUTUALLY EXCLUSIVE

Cause
A STOP SNAP TO DATASET request is using both the SCRATCH(YES) and OUTDDNAME parameters. The dataset may not be scratched if it is currently allocated to this job step.

Action
Remove the SCRATCH(YES) parameter, or remove the DD-Statement and use the TARGET(DSNAME) parameter instead of the OUTDDNAME(DDNAME) parameter.

ESNPB90I

PROCESSING FOR STATEMENT # BEGINNING, STOP SNAP TO DATASET REQUEST

Cause
A STOP SNAP TO DATASET request is being processed.

Action
None.

ESNPB91I

PROCESSING FOR STATEMENT # COMPLETED, HIGHEST RETURN CODE ENCOUNTERED IS rc

Cause
A STOP SNAP TO DATASET request has completed processing.

Action
None.
ESNPB92I

**TARGET MASK:** dsname

**Cause**
A STOP SNAP TO DATASET is being processed for the identified dataset

**Action**
None.

ESNPB93I

**TARGET DDNAME:** ddname

**Cause**
A STOP SNAP TO DATASET is being processed for the identified ddname.

**Action**
None.

ESNPB94I

**DATASET dataset HAS BEEN DELETED**

**Cause**
A STOP SNAP TO DATASET request has completed processing and the SCRATCH(YES) parameter was also specified. The identified dataset has been deleted.

**Action**
None.

ESNPB95I

**PROCESSING BYPASSED DUE TO TYPRUN=NORUN OPTION**

**Cause**
TYPRUN=NORUN was specified and all action processing is bypassed.

**Action**
Verify that the processing will produce the desired results and run again without TYPRUN=NORUN.

ESNPB96I

**SOURCE DSN: xxxxxxxxxx TARGET DSN: xxxxxxxxxx**
Cause
TYPRUN=NORUN was requested. This message identifies the source and target datasets that would be snapped if the run was to be processed.

Action
None.

ESNPB97I

PROCESSING BYPASSED DUE TO PREPARE_FOR_SNAP(YES) OPTION

Cause
PREPARE_FOR_SNAP(YES) is specified and all action processing is bypassed.

Action
Run again without PREPARE_FOR_SNAP(YES) for processing to occur.

ESNPC00I

PROCESSING FOR STATEMENT # BEGINNING, STOP SNAP TO VOLUME volser

Cause
A STOP SNAP TO VOLUME request is being processed to the identified volume.

Action
None.

ESNPC01I

PROCESSING FOR STATEMENT # COMPLETED, HIGHEST RETURN CODE ENCOUNTERED IS rc

Cause
A STOP SNAP TO * request has completed processing.

Action
None.

ESNPC02I

PROCESSING BYPASSED DUE TO TYPRUN=NORUN OPTION

Cause
TYPRUN=NORUN was specified and all action processing will be bypassed.

Action
Verify that the processing will produce the desired results and run again without TYPRUN=NORUN.
ESNPC03I

PROCESSING BYPASSED DUE TO PREPARE_FOR_SNAP(YES) OPTION

Cause
PREPARE_FOR_SNAP(YES) is specified and all action processing will be bypassed.

Action
Run again without PREPARE_FOR_SNAP(YES) for processing to occur.

ESNPC10E

INTERNAL EXTENT TABLE SIZE EXCEEDED

Cause
The internal table of extents has overflowed. Too many datasets were selected by wild carding in a single request statement.

Action
Change the request to specify fewer datasets.

ESNPC11E

INTERNAL SORT FAILED WITH CODE errorcode

Cause
A sort of the internal table of extents failed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPC12I

SNAP HAS BEEN STOPPED FOR nnn EXTENT(S) ON VOLUME (volser S/N ssssss-ssss/dddd)

Cause
The STOP SNAP TO DATASET request was successful issued for the requested dataset.

Action
None.
**ESNPC13E**

**SOURCE AND TARGET DEVICE MUST BE SUPPLIED TO STOP A FLASHCOPY SESSION**

**Cause**
A STOP SNAP TO * command has been requested against a FLASHCOPY device. FLASHCOPY requires both the source and target device to be specified.

**Action**
Try the action again, including both a source and target device specification.

**ESNPC14E**

**THE SOURCE AND TARGET DEVICES ARE NOT INVOLVED IN A FLASHCOPY SESSION**

**Cause**
A STOP SNAP TO * command has been requested against a FLASHCOPY device. Both the source device and the target device have been specified. The two devices are not involved in a FLASHCOPY session.

**Action**
Review the device specifications and try again. A FCQUERY may be issued to verify the device FLASHCOPY information.

**ESNPC15E**

**THE CORRECT SOURCE AND TARGET DEVICES MUST BE SUPPLIED TO STOP A FLASHCOPY SESSION**

**Cause**
A STOP SNAP TO * command has been requested against a FLASHCOPY device. Both the source device and the target device have been specified. The two devices are not currently in a session together.

**Action**
Review the device specifications and try again. A FCQUERY may be issued to verify the device FLASHCOPY information.

**ESNPC16I**

**SNAP HAS BEEN STOPPED FOR nnn FREESPACE EXTENT(S) ON VOLUME vvvvvv (S/N ssssssss-sssss/xxxx)**

**Cause**
The FREESPACE(NO) parameter was specified (or defaulted) on a SNAP VOLUME command for an online device. A STOP SNAP TO VOLUME was internally issued for the areas on the volume that are not allocated.
ESNPC20W

NOTIFY REQUEST FAILED, THE SCF SERVER IS NOT AVAILABLE

Cause
Unable to locate a SCF server to monitor the snap request. This message may also be issued if the SCF Server is not at the release level required for the requested operation.

Action
The snap completes normally, but no notify message is generated.

ESNPC21I

NOTIFY IGNORED, NOTIFY DOES NOT SUPPORT DEVICES SPECIFIED BY SYMDV#

Cause
A NOTIFY was specified for this request, but devices specified by SYMDV# are not monitored.

Action
None.

ESNPC22I

NOTIFY IGNORED, NOTIFY DOES NOT SUPPORT VIRTUAL DEVICES

Cause
A NOTIFY was specified for this request, but virtual devices are not monitored.

Action
None.

ESNPC23I

NOTIFY IGNORED, NOTIFY DOES NOT SUPPORT THIN DEVICES

Cause
Notify specified for this request, but thin devices are not monitored.

Action
None.
MICROCODE PATCH 12251, 12272, 12430, 12494 OR 12535 IS MISSING, UNABLE TO SNAP FBA DEVICES

**Cause**
To snap FBA devices, the identified operating environment levels must be present.

**Action**
Upgrade the operating environment level in the storage system.

SNAP FBA NOT SUPPORTED PRIOR TO MICROCODE LEVEL 5X67

**Cause**
To snap FBA devices, the identified operating environment levels must be present.

**Action**
Upgrade the operating environment level in the storage system.

ADRDSSU AND FDRDSF MAY NOT BE USED AS A DATAMOVERNAME WITH FBA DEVICES

**Cause**
A DATAMOVERNAME was specified with a FBA device SNAP. Neither ADRDSSU or FDRDSF support FBA devices.

**Action**
If necessary, an internal DATAMOVERNAME of COPYCYL or COPYTRK may be used.

SOURCE AND TARGET MAY NOT BE THE SAME VOLUME

**Cause**
A SNAP VOLUME request specifies the same volume for both source and target.

**Action**
Correct the SNAP VOLUME command and try again.

ADRDSSU IS NOT A VALID DATAMOVER FOR OFFLINE DEVICES
Cause
An offline device was specified in the SNAP VOLUME command, along with
ADRDSSU as the data mover. ADRDSSU does not support offline devices.

Action
If an offline device is desired and a data mover is required, specify either COPYCYL or
COPYTRK.

ESNPC43E

FDRDSF IS NOT A VALID DATAMOVER FOR OFFLINE DEVICES

Cause
An offline device was specified in the SNAP VOLUME command, along with FDRDSF
as the data mover. FDRDSF does not support offline devices.

Action
If an offline device is desired and a data mover is required, specify either COPYCYL or
COPYTRK.

ESNPC44E

A DATAMOVER IS REQUIRED FOR OFFLINE DEVICES NOT IN THE SAME CONTROL
UNIT

Cause
An offline device was specified in the SNAP VOLUME command. The two devices
involved are not in the same storage system and a data mover is required.

Action
Specify either COPYCYL or COPYTRK as the data mover.

ESNPC45E

RESTORE SOURCE DEVICE MUST BE A VIRTUAL DEVICE

Cause
A non-virtual device was specified as the source for a restore operation.

Action
RESTORE is only valid from virtual devices. Correct the source (VDEV) parameter to
specify a virtual device.

ESNPC46E

RESTORE TARGET DEVICE MAY NOT BE A VIRTUAL DEVICE

Cause
A virtual device was specified as the target for a restore operation.
Action
RESTORE in only valid to a non-virtual device. Correct the TARGET parameter to specify a non-virtual device.

ESNPC47E

THE TARGET VOLUME MUST HAVE THE SAME NUMBER OF CYLINDERS AS THE SOURCE VOLUME

Cause
A restore operation requires the source and target devices to have the same device geometry – track size and number of cylinders.

Action
Change the target device to one that matches the geometry of the virtual device.

ESNPC48E

MISSING SOURCE VOLUME

Cause
A SNAP VOLUME or RESTORE VOLUME command does not specify a source volume.

Action
Correct the command to include a source volume.

ESNPC49E

MISSING TARGET VOLUME

Cause
A SNAP VOLUME or RESTORE VOLUME command does not specify a target volume.

Action
Correct the action to include a target volume.

ESNPC50E

EMC SNAP API - I/O ERROR OBTAINING SOURCE DEVICE LOCK

Cause
An I/O error was detected when attempting to acquire the source device lock.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNPC51E

EMC SNAP API - SYSCALL ERROR OBTAINING SOURCE DEVICE LOCK

Cause
An error was detected when attempting to acquire the source device lock.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPC52E

EMC SNAP API - LOGICAL ERROR OBTAINING SOURCE DEVICE LOCK

Cause
An error was detected when attempting to acquire the source device lock.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPC53E

EMC SNAP API - RETRY EXHAUSTED, UNABLE TO OBTAIN SOURCE DEVICE LOCK

Cause
Repeated attempts to acquire the device lock have failed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPC54E

EMC SNAP API - I/O ERROR RELEASING SOURCE DEVICE LOCK

Cause
An I/O error was detected when attempting to release the source device lock.
ESNPC55E

**EMC SNAP API - SYSCALL ERROR RELEASING SOURCE DEVICE LOCK**

**Cause**
An error was detected when attempting to release the source device lock.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPC56E

**EMC SNAP API - LOGICAL ERROR RELEASING SOURCE DEVICE LOCK**

**Cause**
An error was detected when attempting to release the source device lock.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPC57E

**EMC SNAP API - I/O ERROR OBTAINING DEVICESTATUS INFORMATION**

**Cause**
An I/O error occurred while obtaining device status information from the storage system.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNPC58E

EMC SNAP API - DEVICE IS IN MIGRATION MODE

**Cause**
The storage system is currently in Data Migration mode. TimeFinder operations are not available until the migration is complete and the storage system is returned to normal operational mode.

**Action**
Defer these requests until the data migration is complete.

ESNPC59E

EMC SNAP API - I/O ERROR OBTAINING SNAP STATUS INFORMATION

**Cause**
An I/O error was detected when attempting to obtain snap status information.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPC60E

EXTENT ALLOCATION MAY NOT BE USED WITH CATALOG(NO)

**Cause**
CATALOG(NO) was specified on the request and extent allocation is also selected.

**Action**
Either change catalog(no) to catalog(yes), or do not use extent allocation for this dataset.

ESNPC70I

API DEBUG REQUEST PROCESSED

**Cause**
A DEBUG command was encountered by the API interface.

**Action**
None.
ESNPC80I

API CLEANUP REQUEST PROCESSED

Cause
A CLEANUP EXTENT command was encountered by the API interface.

Action
None.

ESNPC90I

API SNAP DATASET REQUEST PROCESSED

Cause
A SNAP DATASET command was encountered by the API interface.

Action
None.

ESNPD00I

API GLOBAL REQUEST PROCESSED

Cause
A GLOBAL command was encountered by the API interface.

Action
None.

ESNPD10I

API RESET EXTENT TRACK REQUEST PROCESSED

Cause
A RESET EXTENT TRACK request was encountered by the API interface.

Action
None.

ESNPD20I

API STOP SNAP TO DATASET REQUEST PROCESSED

Cause
A STOP SNAP TO DATASET command was encountered by the API interface.
ESNPD30I

API STOP SNAP TO VOLUME REQUEST PROCESSED

Cause
A STOP SNAP TO VOLUME command was encountered by the API interface.

Action
None.

ESNPD40I

API SNAP VOLUME REQUEST PROCESSED

Cause
A SNAP VOLUME command was encountered by the API interface.

Action
None.

ESNPD50E

TYPRUN MUST BE SPECIFIED PRIOR TO THE FIRST SNAP STATEMENT

Cause
The TYPRUN option was encountered after a TimeFinder command. It must be specified prior to the first TimeFinder command.

Action
Ensure that the TYPRUN option is specified prior to any TimeFinder commands.

ESNPD60S

EMC SCF IS NOT AVAILABLE – SERVICE SAICALL FAILED

Cause
A request to obtain SCF information has failed.

Action
Activate SCF and try again. If the problem persists, contact the Dell EMC Customer Support Center for technical assistance.
ESNPD61S

EMC SCF IS NOT A SUPPORTED VERSION, SCF=xxxxxxxxx EMCSNAP=xxxxxxxxx

Cause
The Dell EMC address space is running a different level of software than the TimeFinder application supports.

Action
Make sure that the two software levels are the same and run again. If the problem persists, review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPD62S

EMC SCF UNKNOWN ERROR

Cause
An unknown SCF error occurred.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPD63S

EMCSVCNAV UNKNOWN ERROR

Cause
An unknown error occurred.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPD64S

EMC SCF IS NOT AVAILABLE - SERVICE EMCQCAPI FAILED
**Cause**
A request to obtain SCF information has failed.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

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**ESNPD65S**

**EMC SCF is not a supported version, SCF=vv.ll EMCSNAP=vv.ll**

**Cause**
The Dell EMC address space is running a different level of software than the TimeFinder application supports.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

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**ESNPD66S**

**EMC SCF unknown error**

**Cause**
An unknown SCF error occurred.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

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**ESNPD67S**

**EMCSVLQC unknown error**

**Cause**
An unknown error occurred.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNPD70E

EMC SNAP API - REMOVE EXTENT FAILED WITH RC=1700

Cause
An attempt to remove an extent from snap processing failed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

ESNPD71E

EMC SNAP API - INVALID COMBINATION OF FLAG SETTINGS

Cause
The low level snap API has detected an invalid combination of flag settings in the parameter list.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

ESNPD72E

EMC SNAP API - I/O ERROR CREATING VIRTUAL SESSION

Cause
An I/O error was encountered while creating a virtual device session.

Action
Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

ESNPD73E

EMC SNAP API - I/O ERROR ESTABLISHING VIRTUAL DEVICE

Cause
An I/O error was encountered while establishing a virtual device session.
ESNPD74S

EMC SNAP API - API/SCF VERSION MISMATCH DETECTED

Cause
The Dell EMC address space is running a different level of software than the TimeFinder application supports.

Action
Make sure that the two software levels are the same and run again. If the problem persists, review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPD75E

EMC SNAP API - NO SPACE AVAILABLE FOR EXTENT TRACK

Cause
The source device does not support an extent track.

Action
This device may not be used for snap purposes. Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPD76E

EMC SNAP API - I/O ERROR ACTIVATING VIRTUAL DEVICE

Cause
An I/O error was encountered while activating a virtual device session.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNPD77E

EMC SNAP API - I/O ERROR QUERYING TARGET DEVICE

Cause
An I/O error was encountered while querying the target device.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPD78E

EMC SNAP API - I/O ERROR REMOVING SNAP SESSION

Cause
An I/O error was encountered while removing the snap session.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPD79E

EMC SNAP API - I/O ERROR OBTAINING SNAP STATUS INFORMATION

Cause
An I/O error was encountered while obtaining some snap status information.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPD80I

INVOKING DATAMOVER PROGRAM xxxxxxxxxx

Cause
The requested data mover program is being used to perform a logical dataset copy operation.
ESNPD81I

FOR DATASET: xxxxxxxxx

Cause
A data mover is being used to logically allocate and copy this dataset.

Action
None.

ESNPD82I

AND DATASET: xxxxxxxxx

Cause
A data mover is being used to logically copy additional sphere pieces of the identified dataset.

Action
None.

ESNPD89S

PARALLEL TASK FOR THIS REQUEST ABNORMALLY TERMINATED

Cause
Subtask terminated. See the console log for details

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

ESNPD90E

DATA MOVER UTILITY xxxxxxxxx ENDED WITH RC: nnnn

Cause
The identified data mover utility ended with a non-zero return code.

Action
Review the data mover output (if available). If any correctable problems are identified, correct the problem and try again. If the problem persists, review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem,
contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPE00E**

ERROR RETURNED FROM DEVICESTATUS API FOR VOLUME xxxxxx, (S/N ssssss-sssss/xxxx) RC: xxxxxxxx EMCRC: xxxxxxxx EMCRS: xxxxxxxx EMCRCX: rcx

**Cause**
An error was returned from the device status API.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPE10E**

EMC SNAP API - I/O ERROR REMOVING VIRTUAL DEVICE SESSION

**Cause**
An I/O error was encountered while removing a virtual device session.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPE11E**

EMC SNAP API - VIRTUAL DEVICE DO NOT ALLOW SNAP REQUESTS

**Cause**
A snap request was issued against a virtual device. Virtual devices do not support snap requests.

**Action**
Use another device.

**ESNPE12E**

EMC SNAP API - VIRTUAL DEVICE MUST BE THE TARGET

**Cause**
A virtual device was specified as a source device. This is not allowed.
Action
Use another device.

ESNPE13E

EMC SNAP API - I/O ERROR QUERYING TARGET VIRTUAL DEVICE

Cause
An I/O error was encountered while querying a virtual device.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPE14E

EMC SNAP API - SOURCE DEVICE UNDER VM MUST BE A DEDICATED DEVICE

Cause
The source device must be a dedicated VM device when running under VM. VM does not support the syscall interface.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPE15E

EMC SNAP API - TARGET DEVICE UNDER VM MUST BE A DEDICATED DEVICE

Cause
The target device must be a dedicated VM device when running under VM. VM does not support the syscall interface.

Note
The Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information about VM.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
### ESNPE16E

**EMC SNAP API - INTERNAL TRACK COPY FAILED**

**Cause**
The internal track copy routine (COPYCYL or COPYTRK) failed with an error.

**Action**
Review the related EQCA messages for further information.

### ESNPE17E

**EMC SNAP API - INTERNAL TRACK RESOLVE FAILED**

**Cause**
The internal track resolve routine failed with an error.

**Action**
Review the related EQCA messages for further information.

### ESNPE18E

**EMC SNAP API - TARGET IS A READ-ONLY DEVICE**

**Cause**
The target device is a read-only device. It may not be changed.

**Action**
Use another device.

### ESNPE19E

**EMC SNAP API - SOURCE IS A READ-ONLY DEVICE, 5X69 MICROCODE IS REQUIRED**

**Cause**
The source device is a read-only device. To snap from this device, Enginuity 5x69 or a later level of the operating environment is required.

**Action**
Use another device, or contact Dell EMC Customer Support to upgrade the operating environment.

### ESNPE20E

**SOURCE AND TARGET VOLUME MUST RESIDE WITHIN THE SAME CONTROL UNIT**
**ESNPE24E**

**Cause**
The source and target volume must reside within the same storage system.

**Action**
Make sure that both the source and target volumes reside in the same storage system.

**ESNPE30E**

**Cause**
A STOP SNAP TO VOLUME command does not specify a target volume, or the volser specified is not online.

**Action**
Correct the action to include the TARGET parameter, or make sure that the volume specified is online.

**ESNPE31I**

**Cause**
This message follows message ESNPE30E and lists the ANTP0 message text provided by the IBM FlashCopy interface.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNPE40E

ERROR ENCOUNTERED BY IBM FLASHCOPY - RC: xxxxxxxx RTNCODE: xxxxxxxx
RSNCODE: xxxxxxxx

Cause
An error was encountered by IBM FLASHCOPY. The reason code (RSNCODE) and
return code (RTNCODE) displayed are IBM ANTRQST codes.

Action
Consult the ANTRQST reason and return codes chapter in the IBM manual, MVS
System Messages for more information about these codes. Review the JOB log and
SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions
relating to this message ID. If you cannot determine and correct the problem, contact
the Dell EMC Customer Support Center for technical assistance. Make sure you have
the SYSLOG, the JOB log, and all relevant job documentation.

ESNPE41I

ANTP0 text

Cause
This message follows message ESNPE40E and lists the ANTP0 message text provided
by the IBM FlashCopy interface.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for
applicable solutions relating to this message ID. If you cannot determine and correct
the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the JOB log, and all relevant job documentation
available.

ESNPE50E

INTERNAL EXTENT TABLE SIZE EXCEEDED

Cause
Too many extents are being referenced with a single command.

Action
Break up the single command into multiple commands.

ESNPE51E

INTERNAL SORT FAILED WITH CODE xxxxxxxx

Cause
The internal sort has failed with the indicated code.
Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPE52W

AN R2 DEVICE IS NOT READY, R1R2SYNC IGNORED

Cause
The WAITFORCOMPLETION(R1R2SYNC) parameter was specified, and the target device is an R1 device, but the R2 device is not ready.

Action
Ready the R2 device and wait for synchronization to complete. The snap to the R1 device was successful.

ESNPE60E

EMC SNAP API - I/O ERROR CHECKING INVALID TRACK MASK

Cause
An I/O error occurred while checking the invalid track mask during processing of the WAITFORCOMPLETION(R1R2SYNC) parameter.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPE61E

EMC SNAP API - READ EXTENT TRACK WITHOUT HOLDING DEVICE LOCK

Cause
An internal logic error was detected. A locked request to read the extent track was made without holding the device lock.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNPE62E

EMC SNAP API - RESTORE NOT VALID WITH THESE DEVICES

Cause
An internal logic error was detected. A restore operation is not appropriate for the devices specified.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPE63E

EMC SNAP API - I/O ERROR RESTORING VIRTUAL DEVICE

Cause
An I/O error occurred while attempting to restore a virtual device.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPE64E

EMC SNAP API - I/O ERROR QUERYING SOURCE DEVICE

Cause
An I/O error occurred while querying a source device.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPE65E

EMC SNAP API - I/O ERROR QUERYING TARGET RESTORE DEVICE

Cause
An I/O error occurred while querying a target restore device.
ESNPE66E

EMC SNAP API - I/O ERROR REMOVING VIRTUAL DEVICE SESSION

Cause
An I/O error occurred while removing a virtual device session.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPE67E

EMC SNAP API - I/O ERROR OBTAINING SNAP STAT US INFORMATION

Cause
An I/O error occurred while obtaining snap status information.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPE68E

EMC SNAP API - I/O ERROR WITH BCVQUERY

Cause
BCVQUERY returned with an error code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNPE69E

EMC SNAP API - I/O ERROR RESTORING VIRTUAL DEVICE

Cause
An I/O error occurred while restoring a virtual device to a BCV device.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPE70E

SCFGROUP NAME (xxxxxxxx) INVALID

Cause
The SCFGROUP name was specified on the request, and the group name is not registered to SCF.

Action
Correct the group name and try again.

ESNPE71E

SCFGROUP SUPPORT IS NOT ACTIVE

Cause
The SCFGROUP name was specified, but SCFGROUP support is not active in the Dell EMC address space.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPE72E

ERROR ENCOUNTERED VALIDATING SCFGROUP NAME (xxxxxxxx), RC: xxxxxxxx RS: xxxxxxxx

Cause
An error was encountered while validating the SCFGROUP name specified.
Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPE73E

BUFFER SIZE PROBLEM VALIDATING SCFGROUP

Cause
An error was encountered while validating the SCFGROUP name specified. The supplied buffer area was not large enough.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPE80E

SCFGROUP NAME (xxxxxxxx) INVALID

Cause
The SCFGROUP name was specified on the request, and the group name is not registered to SCF.

Action
Correct the group name and try again.

ESNPE81E

SCFGROUP SUPPORT IS NOT ACTIVE

Cause
The SCFGROUP name was specified, but SCFGROUP support is not active in the Dell EMC address space.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNPE82E

ERROR ENCLOSED VALIDATING SCFGROUP NAME (xxxxxxxx), RC: x

Cause
An error was encountered while validating the SCFGROUP name specified.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPE83E

BUFFER SIZE PROBLEM VALIDATING SCFGROUP

Cause
An error was encountered while validating the SCFGROUP name specified. The supplied buffer area was not large enough.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPE90I

PROCESSING FOR STATEMENT # BEGINNING, RESTORE FROM VOLUME aaa TO VOLUME bbb

Cause
A restore operation is beginning to be processed.

Action
None.

ESNPE91I

PROCESSING BYPASSED DUE TO TYPRUN=NORUN OPTION

Cause
TYPRUN=NORUN was specified and all action processing will be bypassed.
Action
Verify that the processing will produce the desired results and run again without TYPRUN=NORUN.

ESNPE94I

PROCESSING FOR STATEMENT # COMPLETED, HIGHEST RETURN CODE ENCOUNTERED IS xxx

Cause
A restore operation has completed.

Action
None.

ESNPE95W

UNABLE TO BRING VOLUME ONLINE, ANOTHER VOLUME IS ALREADY ONLINE WITH THAT LABEL

Cause
The RESTORE target volume label matches the label for another volume that is currently online.

Action
The new volume will be left offline.

ESNPE96E

UNABLE TO RESTORE - SOURCE VIRTUAL DEVICE IS NOT ACTIVE (IN SESSION)

Cause
The source (virtual device) is not active. Only active virtual devices can be restored.

Action
Correct the action to specify an active virtual device.

ESNPE97E

PERSISTENT RESTORE IS REQUIRED FOR MICROCODE LEVELS 5X72 AND HIGHER

Cause
A RESTORE operation has been attempted with PERSISTENT(NO) specified or defaulted. The target device is running Enginuity 5772 or a later level of the operating environment. PERSISTENT(YES) is required in this situation.

Action
Rerun the command, specifying PERSISTENT(YES).
ESNPE98E

POOL(poolname) IS NOT A SNAPPOOL POOL.

Cause
The poolname was specified for a RESTORE VDEV operation. The poolname was valid, but was not a snap device (TYPE(SNAPPOOL)) pool.

Action
POOL should not be used with RESTORE VDEV. Remove the POOL parameter and try again.

ESNPF00I

API RESTORE VOLUME REQUEST PROCESSED

Cause
A RESTORE VOLUME command was encountered by the API interface.

Action
None.

ESNPF10I

RESTORE VIRTUAL DEVICE COMPLETED

Cause
The RESTORE VOLUME request has completed.

Action
None.

ESNPF20I

API ACTIVATE REQUEST PROCESSED

Cause
An ACTIVATE command was encountered by the API interface.

Action
None.

ESNPF30E

THERE ARE NO PRIOR SNAP STATEMENTS TO BE ACTIVATED
**Cause**
An ACTIVATE command found no TimeFinder commands to be activated.

**Action**
The ACTIVATE command must follow the TimeFinder commands that it affects.

**ESNPF31E**

**CONSISTENT SNAP DATASET IS NOT SUPPORTED**

**Cause**
An ACTIVATE command with CONSISTENT(YES) was encountered following some SNAP DATASET commands.

**Action**
Remove the CONSISTENT(YES) parameter from the ACTIVATE.

**ESNPF33E**

**SITE LICENSE DISALLOWS CONSISTENT SNAP**

**Cause**
CONSISTENT parameter was specified on the ACTIVATE command. The site LFC does not allow for TimeFinder/Consistency Group consistent snap operations.

**Action**
Add the CONSISTENT license to SCF. Contact your local Dell EMC sales representative to obtain the LFC.

**Note**
The Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information about the CONSISTENT license.

**ESNPF34E**

**PRESNAP(NO) AND POSTSNAP(NO) NOT ALLOWED EXCEPT DURING GROUP PROCESSING**

**Cause**
PRESNAP(NO) and POSTSNAP(NO) was specified on a ACTIVATE request. The PRESNAP and POSTSNAP parameters are only valid when used with GROUP processing.

**Action**
Either remove the PRESNAP and POSTSNAP parameters, or change to using GROUP processing.
ESNPF35E

PRESNAP(NO) AND POSTSNAP(YES) NOT ALLOWED EXCEPT DURING GROUP PROCESSING

**Cause**
PRESNAP(NO) and POSTSNAP(YES) was specified on a ACTIVATE request. The PRESNAP and POSTSNAP parameters are only valid when used with GROUP processing.

**Action**
Either remove the PRESNAP and POSTSNAP parameters, or change to using GROUP processing.

ESNPF36E

PRESNAP(YES) AND POSTSNAP(NO) NOT ALLOWED EXCEPT DURING GROUP PROCESSING

**Cause**
PRESNAP(YES) and POSTSNAP(NO) was specified on a ACTIVATE request. The PRESNAP and POSTSNAP parameters are only valid when used with GROUP processing.

**Action**
Either remove the PRESNAP and POSTSNAP parameters, or change to using GROUP processing.

ESNPF37I

PARALLEL_CLONE(YES) DETECTED, CONSISTENT(YES) ASSUMED.

**Cause**
PARALLEL_CLONE(YES) requires CONSISTENT(YES) parameter.

**Action**
None.

ESNPF38E

SECURE(YES) DETECTED, EXPIRATION PARAMETER SHOULD BE NON-ZERO

**Cause**
ACTIVATE was issued with the SECure(YES) parameter, but the EXPIRATION parameter value was not specified or equaled to zero.

**Action**
Set the EXPIRATION parameter to a non-zero value.
<table>
<thead>
<tr>
<th>ESNPF39E</th>
<th>SECURE(YES) DETECTED, IT SHOULDN’T BE USED AGAINST SNAP VOLUME OR SNAP DATASET</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cause</strong></td>
<td>ACTIVATE was issued to a group of statements that included SNAP DATASET and SNAP VOLUME commands that are not compatible with SECure(YES) parameter.</td>
</tr>
<tr>
<td><strong>Action</strong></td>
<td>Use a distinct ACTIVATE statement with SECure(NO) for SNAP VOLUME and SNAP DATASET.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ESNPF40E</th>
<th>EMC SNAP API - I/O ERROR REMOVING DEVICE EXTENT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cause</strong></td>
<td>An I/O error occurred while removing a device extent for differential snap.</td>
</tr>
<tr>
<td><strong>Action</strong></td>
<td>Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ESNPF41E</th>
<th>EMC SNAP API - I/O ERROR ACTIVATING FULL DEVICE SNAP</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cause</strong></td>
<td>An I/O error occurred while activating a full device snap.</td>
</tr>
<tr>
<td><strong>Action</strong></td>
<td>Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ESNPF42E</th>
<th>EMC SNAP API - I/O ERROR DEACTIVATING VIRTUAL DEVICE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cause</strong></td>
<td>An I/O error occurred while deactivating a virtual device.</td>
</tr>
</tbody>
</table>
Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPF43E

EMC SNAP API - I/O ERROR ENABLING VIRTUAL LOG I/O

Cause
An I/O error occurred while enabling virtual log I/O.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPF44E

EMC SNAP API - ERROR ENABLING ENGINUITY CONSISTENT ASSIST

Cause
An error occurred when enabling Enginuity Consistent Assist (ECA).

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPF45E

EMC SNAP API - ERROR DISABLING ENGINUITY CONSISTENT ASSIST

Cause
An error occurred when disabling Enginuity Consistent Assist (ECA).

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNPF46E

EMC SNAP API - ERROR QUERYING EMC FASTMIRROR WRITE LOCK

Cause
An I/O error occurred while querying the Dell EMC FASTMIRROR WRITE LOCK.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPF47E

EMC SNAP API - DEVICE IN USE BY ANOTHER PROCESS

Cause
One of the devices (source or target) is protected by another Dell EMC process. An Enginuity snap is not supported until the other process has completed. Dell EMC Fast Mirror and Dell EMC Compatible Flash are possibilities.

Action
Correct the action to use different devices. Devices protected by the Dell EMC FASTMIRROR WRITE feature may not be used with TimeFinder.

ESNPF48E

EMC SNAP API - ERROR QUERYING SNAPPOOL INFORMATION

Cause
An I/O error occurred while querying SNAPPOOL information.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPF49E

EMC SNAP API - UNABLE TO RESTORE, OTHER SESSIONS EXIST AT THE SOURCE DEVICE

Cause
A restore operation failed because the target device has existing sessions.
Action
All sessions must be terminated prior to the restore operation.

ESNPF50I

PROCESSING FOR STATEMENT # BEGINNING, ACTIVATE SNAP

Cause
An ACTIVATE operation is beginning to be processed.

Action
None.

ESNPF51I

PROCESSING FOR STATEMENT # COMPLETED, HIGHEST RETURN CODE ENCOUNTERED IS xxx

Cause
An ACTIVATE operation has completed.

Action
None.

ESNPF52I

ACTIVATE PROCESSING FOR STATEMENT # BYPASS DUE TO TYPRUN=NORUN OPTION

Cause
TYPRUN=NORUN was specified and all action processing will be bypassed.

Action
Verify that the processing will produce the desired results and run again without TYPRUN=NORUN.

ESNPF53W

CONSISTENT COPY ATTEMPTED, BUT A DATAMOVER WAS USED, COPY NOT CONSISTENT

Cause
An ACTIVATE command with CONSISTENT(YES) was specified, but a data mover was required. Data mover operations are not consistent.

Action
Be aware that data mover operations are not consistent.
ESNPF54I

PROCESSING BYPASSED DUE TO PREPARE_FOR_SNAP(YES) OPTION

Cause
PREPARE_FOR_SNAP(YES) is specified and all action processing is bypassed.

Action
Run again without PREPARE_FOR_SNAP(YES) for processing to occur.

ESNPF60E

ERROR RETURNED FROM SYMDEVICE API FOR VOLUME xxx, (S/N sssssss-sssss/xxxx), RC: xxx EMCRC: xxx EMCRS: xxx EMCRCX: rcx

Cause
An error was detected when requesting SYMDEVICE API information.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPF61E


Cause
SYMDEVICE request returned with an error indicating that the SRDF group link is not available.

Action
Either determine if the SRDF group is valid, or determine if the SRDF group is active (if there are multiple links involved, all must be active).

ESNPF62E

REQUESTED SYMDV#(symdv#) EXCEEDS HIGHEST DEFINED DEVICE (symdv#)

Cause
An internal request to retrieve device information for a device failed because the device number exceeded the highest device number configured in the storage system.
**Action**  
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

---

**ESNP63E**  
**SYMDEVICE REPORTS THAT THE REMOTE CONTROLLER DOES NOT SUPPORT REMOTE SNAP**

**Cause**  
An attempt has been made to perform a remote snap using a storage system that does not support remote snap.

**Action**  
The remote storage system must be running 5x71 (or later) level of the operating environment.

---

**ESNP64E**  
**INVALID DEVICE NUMBER DETECTED, FFFF IS NOT ALLOWED**

**Cause**  
An invalid device number was detected. The value x'FFFF' or x'FFFFFFFF' is not allowed.

**Action**  
If you specified a device number of x'FFFF' or x'FFFFFFFF', correct your device number and try again. Otherwise, rerun with GLOBAL DEBUG(EXTRA) and submit the output to Dell EMC Customer Support.

---

**ESNP65E**  
**DEVICE LINK IS IN TRANSMIT IDLE STATE, MUST BE CHANGED TO INACTIVE - vvvvvv S/N xxxxxxx-xxxx/xxxx**

**Cause**  
An error was detected when attempting to retrieve information about a remote device. It was found that the link to the device is in TRANSMIT IDLE state.

**Action**  
The link status must be changed to ACTIVE or INACTIVE and then the request may be resubmitted. While the link is in TRANSMIT IDLE state, the remote side is considered to be out of sync and will not produce a consistent copy.
**ESNPF70E**

ERROR RETURNED FROM CONFIGRDFGRP API FOR VOLUME xxx, (S/N sssssssssssssssssssss/xxxxx), RC: xxx EMCRC: xxx EMCRS: xxx EMCRCX: rcx

**Cause**
An error was detected when requesting CONFIGRDFGRP API information.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPF80E**

ERROR FROM @EMCDLOK CHECKING LOCK 15. VOLUME: xxx, (S/N sssssssssssssssssssss/xxxxx) RC: xxx, R0: xxx, R1: xxx

**Cause**
An error was detected when checking the lock 15 status.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPF81E**

ERROR FROM @EMCDLOK CHECKING LOCK 9. (S/N sssssssssssssssssssss/xxxxxxxxx)

**Cause**
While issuing a command to obtain the LINK_TARGET_HOLD, an unexpected error occurred.

**Action**
If the action is persistent, turn on debug with the DEBUG(EXTRA) setting. The next time this error occurs, a debug message will display "@EMCDLOK (OBTAIN ) UCB= xxx RC=xx R0=xx R1=xx". Provide this information to Dell EMC Customer Support for technical assistance.

**ESNPF82E**

LOCKS ARE ALREADY SET ON ONE OR MORE OF THE REQUESTED DEVICES
Cause
A CONFIG command has been issued against a target device which is already held.

Action
Release the hold on the target device.

ESNPF83E

LOCKS ARE ALREADY SET BY AN EXTERNAL PROGRAM

Cause
A CONFIG command has been issued against a target device which is held by another program.

Action
Release the hold by another program on the target device.

ESNPF90I

API QUERY DATASET REQUEST PROCESSED

Cause
A QUERY DATASET command was encountered by the API interface.

Action
None.

ESNPG00I

API QUERY SNAPPOOL REQUEST PROCESSED

Cause
A QUERY SNAPPOOL command was encountered by the API interface.

Action
None.

ESNPG10E

SOURCE(DSNAME) AND INDDNAME(DDNAME) ARE MUTUALLY EXCLUSIVE

Cause
A QUERY DATASET command was encountered with both SOURCE and INDDNAME specified.

Action
Remove one of the conflicting parameters and run the request again.
ESNPG20I

PROCESSING FOR STATEMENT # nnnn BEGINNING, QUERY DATASET REQUEST

Cause
A QUERY DATASET operation is beginning to be processed.

Action
None.

ESNPG21I

PROCESSING FOR STATEMENT # COMPLETED, HIGHEST RETURN CODE ENCOUNTERED IS xxx

Cause
A QUERY DATASET operation has completed.

Action
None.

ESNPG22I

SOURCE MASK: dsname

Cause
QUERY DATASET source dataset mask.

Action
None.

ESNPG24I

EXCLUDE MASK: dsname

Cause
Identifies the QUERY DATASET exclude dataset mask.

Action
None.

ESNPG25I

SOURCE DDNAME: dsname

Cause
Identifies the QUERY DATASET ddname.
ESNPG26I

**DATASET:** dsname

**Cause**
Identifies the specific QUERY DATASET being processed.

**Action**
None.

ESNPG30E

**INTERNAL EXTENT TABLE SIZE EXCEEDED**

**Cause**
Too many extents are being queried with a single command.

**Action**
Break up the single command into multiple commands.

ESNPG31E

**INTERNAL SORT FAILED WITH CODE nnn**

**Cause**
The internal sort has failed with the indicated code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPG40I

**PROCESSING FOR STATEMENT # BEGINNING, QUERY SNAPPOOL REQUEST FOR CONTROLLER S/N sssssssssss**

**Cause**
A QUERY SNAPPOOL operation is beginning to be processed.

**Action**
None.
ESNPG41I

PROCESSING FOR STATEMENT # COMPLETED, HIGHEST RETURN CODE ENCOUNTERED IS xxx

Cause
A QUERY SNAPPOOL operation has completed.

Action
None.

ESNPG42I

NO ELIGIBLE CONTROLLERS FOUND

Cause
None of the storage systems matched are capable of having SNAPPOOL devices.

Action
Specify a storage system that may have SNAPPOOL devices.

ESNPG43I

CONTROLLER ssssssssss-ssssss DOES NOT SUPPORT SNAPPOOL DEVICES

Cause
The storage system specified does not support SNAPPOOL devices.

Action
Specify a storage system that can support SNAPPOOL devices.

ESNPG50I

API QUERY VDEV REQUEST PROCESSED

Cause
A QUERY VDEV command was encountered by the API interface.

Action
None.

ESNPG61E

EMC SNAP API - UNABLE TO ESTABLISH, RESTORE SESSION EXISTS AT THE SOURCE DEVICE

Cause
An attempt to create a new snap or virtual device failed.
Action
New sessions cannot be created while a restore sessions exists. Cleanup and remove the restore session and try again.

ESNPG62E

**EMC SNAP API - UNABLE TO SNAP FBA META DEVICES**

**Cause**
FBA META devices cannot be used with TimeFinder.

**Action**
FBA META devices cannot be used with TimeFinder.

ESNPG63E

**EMC SNAP API - REQUEST FAILED, ACTIVE RESTORE SESSION HAS NOT COMPLETED**

**Cause**
An attempt to remove a restore session failed. The RESTORE has not completed.

**Action**
Try again after the restore has completed, or use the FORCE(YES) parameter to abort the restore operation.

ESNPG64E

**EMC SNAP API - REQUEST FAILED, COVD DEVICE NOT SUPPORTED**

**Cause**
COVD\(^2\) devices may not be used as a snap device.

**Action**
Try the operation again, selecting another device that is not a COVD device.

ESNPG65E

**EMC SNAP API - I/O ERROR CREATING PERSISTENT RESTORE SESSION**

**Cause**
An I/O error was encountered while creating the persistent restore session.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNPG66E

EMC SNAP API - I/O ERROR PERSISTENT RESTORE

Cause
An I/O error was encountered while performing the persistent restore operation.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPG67E

EMC SNAP API - I/O ERROR QUERYING SOURCE RESTORE DEVICE

Cause
An I/O error was encountered while querying the device that was to have a restore operation performed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

ESNPG68E

EMC SNAP API - UNABLE TO STOP VDEV, A PERSISTENT RESTORE IS IN PROGRESS USING THE STANDARD DEVICE

Cause
STOP SNAP TO VOLUME specifying a virtual device (VDEV) request failed because a persistent restore is in progress.

Action
Wait until the persistent restore operation has completed and try the operation again.

ESNPG69E

EMC SNAP API I/O ERROR PERSISTENT RESTORE TO BCV

Cause
An I/O error was encountered while performing a persistent restore to a split BCV device.
Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

ESNPG70I

PROCESSING FOR STATEMENT # nnnn BEGINNING, QUERY VDEV REQUEST FOR CONTROLLER S/N sssssss-ssss

Cause
A QUERY SNAPPOOL operation is beginning to be processed.

Action
None.

ESNPG71I

PROCESSING FOR STATEMENT # COMPLETED, HIGHEST RETURN CODE ENCOUNTERED IS xxx

Cause
A QUERY VDEV operation has completed.

Action
None.

ESNPG72I

NO ELIGIBLE CONTROLLERS FOUND

Cause
None of the storage systems matched are capable of having VDEV devices.

Action
Specify a storage system that may have VDEV devices.

ESNPG73I

CONTROLLER sssssss-ssss DOES NOT SUPPORT VIRTUAL DEVICES

Cause
The storage system specified does not support VDEV devices.

Action
Specify a storage system that may have VDEV devices.
ESNPG80E

ERROR RETURNED FROM DEVICESTATUS API, RC: xxx EMCRC: xxx EMCRS: xxx EMCRCX: rcx

Cause
An error was detected when requesting DEVICESTATUS API information.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPG81I

DEVICE CCUU: ccuu

Cause
This message identifies the storage system for message ESNPG80E.

Action
See message ESNPG80E.

ESNPG90E

READ FOR TARGET DATASET DSCB FAILED, CVAFDIR RC: xxx

Cause
An error was encountered when reading the target dataset DSCB.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPG91E

WRITE FOR TARGET DATASET DSCB FAILED, CVAFDIR RC: xxx

Cause
An error was encountered when writing the target dataset DSCB.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct
the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPG92I**

**TARGET DATASET NAME:** dsname **VOLSER:** volser

**Cause**
This message identifies the dataset being processed when a problem was encountered. This message immediately follows messages ESNPG90E or ESNPG91E.

**Action**
Refer the messages ESNPG90E or ESNPG91E immediately preceding this message.

**ESNPH00I**

**SOURCE DSN:** xxx **TARGET DSN:** xxx

**Cause**
PREPARE_FOR_SNAP(YES) is processing these datasets.

**Action**
None.

**ESNPH01I**

**SOURCE VOLUME:** srcvol **TARGET VOLUME:** tgtvol

**Cause**
Information message identifying the source and target volumes being checked by PREPARE_FOR_SNAP.

**Action**
None.

**ESNPH10E**

**EMPTY EXTENTS FOUND FOR DATASET** xxx

**Cause**
An empty extent was encountered for the identified dataset.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNPH20E

EMPTY EXTENTS FOUND FOR FILE xxx

Cause
An empty extent was encountered for the identified file.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPH30I

src/tgt DEVICE: ccuu VOLSER: vvvvvv CONTROLLER S/N: xxxxxxxxxx SSID: yyyy SYMDV#: nnnn

Cause
This message appears in the log after a failure to copy tracks has occurred. This message identifies the source and/or target device(s) involved in the request.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPH39S

EMC SNAP API - ABEND OCCURRED

Cause
An abend was detected in the TimeFinder Clone/Snap API.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPH40E

CONTROLLER S/N sssssss-sssss DOES NOT SUPPORT VIRTUAL DEVICES
Cause
A VDEV request identifies a storage system that does not support virtual devices.

Action
Correct the request to identify a storage system that supports virtual devices.

ESNPH41E

CONTROLLER S/N ssssssssss NOT FOUND REGISTERED TO SCF

Cause
A VDEV request identifies a storage system is not registered to SCF.

Action
Either correct the request to specify a storage system that is known by SCF, or issue an F xxx,DEV,REFRESH command to SCF to invoke SCF discovery.

ESNPH42E

CONTROLLER S/N ssssssssss DOES NOT HAVE ANY FREE ELIGIBLE VIRTUAL DEVICES AVAILABLE

Cause
VDEV(FREE) was specified and no free virtual devices are available.

Action
Any of the following:

- Wait until a virtual device is available.
- >STOP SNAP TO VOLUME to a virtual device that is no longer needed.
- Manually specify a virtual device that can be reused.

ESNPH50I

CONTROLLER S/N ssssssssss HAS xxx SNAPPOOL DEVICES

Cause
This is a summary message for QUERY SNAPPOOL identifying how many snap pool devices were found in the storage system.

Action
None.

ESNPH51I

SNAPPOOL: xxx TYPE: xxx HAS xxx USED TRACKS AND xxx FREE TRACKS - POOL: poolname
**ESNPH52I**

**TOTAL OF xxx USED TRACKS AND xxx FREE TRACKS FOR xxx SNAPPOOL**, xxx% USED

**Cause**
This is a summary message for QUERY SNAPPOOL identifying the total number of assigned (used) and available (free) tracks.

**Action**
None.

**ESNPH53I**

POOL xxxxxxxxxxxxxxx CONTAINS xxxxx DEVICES

**Cause**
A POOL name was specified on the QUERY SNAPPOOL request and this reports the number of snap pool devices in the indicated pool.

**Action**
None.

**ESNPH54I**

POOL(xxxxxxxxxxxxx) IGNORED, SYMMETRIX DOES NOT SUPPORT POOLS

**Cause**
A POOL name was specified on the QUERY SNAPPOOL request and the targeted storage system does not support snap device pools.

**Action**
Perform any of the following actions:
- None, all snap pool devices in the storage system will be reported.
- Remove the POOL parameter from the QUERY SNAPPOOL request and run again to have all snap pool devices in the storage system reported.
- Upgrade the operating environment in the storage system to support snap device pools.
- Change the request to report on a storage system that does support the snap device pools.
ESNPH55I

DISPLAY LIMITED TO DEVICES IN POOL: xxxxxxxxxxxxx

Cause
The POOL parameter was specified on the QUERY SNAPPOOPOOL request and the output will be limited to the single pool.

Action
None.

ESNPH56E

POOL(xxxxxxxxxxxxxx) NOT FOUND IN CONTROLLER

Cause
A POOL name was specified on the QUERY SNAPPOOPOOL request and the targeted storage system does not have a pool defined with that name.

Action
Use CONFIGPOOL DISPLAY to list the pools in the storage system and then correct the POOL name to reflect a valid pool.

ESNPH57I

CONTROLLER NAME: name

Cause
If a storage system name is associated with a storage system, this line will list the storage system name.

Action
None.

ESNPH60I

CONTROLLER S/N sssssssss-sssss HAS xxx VDEV DEVICES, xxx CKD AND xxx FBA

Cause
This is a summary message for QUERY VDEV identifying how many virtual device were found in the storage system.

Action
None.
ESNPH61I

VDEV: xxx  CCUU: xxx  TYPE: xxx  HAS xxx  CYLS DEFINED

Cause
One line is listed for each VDEV found in the storage system. The host CCUU address, if identified along with the device type (FBA/CKD) and the number of cylinders for the device.

Action
None.

ESNPH62I

SESSION: xxx  WITH DEVICE: xxx  (CCUU: xxx)  AND xxx  TRACKS IN SNAPPOOL

Cause
If a virtual device is attached (active in session) with another device, that device will be identified along with the number of tracks that this virtual device is using from the snap pool devices.

Action
None.

ESNPH63I

CONTROLLER NAME: name

Cause
If a storage system name is associated with a storage system, this line will list the storage system name.

Action
None.

ESNPH70E

INSUFFICIENT AUTHORITY TO USE THE ADMINISTRATOR KEYWORD

Cause
ADMINISTRATOR(YES) was specified. RACF authority to use the ADMINISTRATOR keyword was not validated.

Action
Remove the ADMINISTRATOR(YES) parameter.
ESNPH80I

API CONFIG REQUEST PROCESSED

Cause
A CONFIG command was encountered by the API interface.

Action
None.

ESNPH90I

PROCESSING FOR STATEMENT #nnnn BEGINNING, CONFIG VOLUME volser

Cause
A CONFIG operation is beginning to be processed.

Action
None.

ESNPH91I

PROCESSING FOR STATEMENT # COMPLETED, HIGHEST RETURN CODE ENCOUNTERED IS xxx

Cause
A CONFIG operation has completed.

Action
None.

ESNPH92I

PROCESSING BYPASSED DUE TO TYPRUN=NORUN OPTION

Cause
TYPRUN=NORUN was specified and all action processing will be bypassed.

Action
Verify that the processing will produce the desired results and run again without TYPRUN=NORUN.

ESNPH93I

PROCESSING BYPASSED DUE TO PREPARE_FOR_SNAP(YES) OPTION
Cause
PREPARE_FOR_SNAP(YES) is specified and all action processing will be bypassed.

Action
Run again without PREPARE_FOR_SNAP(YES) for processing to occur.

ESNPH94W

RELEASE(YES/NO) NOT VALID FOR VIRTUAL DEVICE

Cause
RELEASE(YES) or RELEASE(NO) was specified for a virtual device.

Action
Remove the RELEASE parameter from the CONFIG request for a virtual device.

ESNPH95E

RELEASE(YES/NO) ONLY VALID FOR EMC DEVICES

Cause
RELEASE(YES) or RELEASE(NO) was specified for a non-Dell EMC device.

Action
REMOVE the RELEASE parameter from the CONFIG request for a non-Dell EMC device.

ESNPH96E

READY(YES/NO) ONLY VALID FOR EMC DEVICES

Cause
READY(YES) or READY(NO) was specified for a non-Dell EMC device.

Action
REMOVE the READY parameter from the CONFIG request for a non-Dell EMC device.

ESNPH97E

MODE(COPY/NOCOPY/NOCOPYRD) ONLY VALID FOR EMC DEVICES

Cause
A request to change the copy mode is not valid unless the device is a Dell EMC device.

Action
Try the operation again, specifying the correct Dell EMC device.
ESNPH98W

MODE(COPY/NOCOPY/NOCOPYRD) NOT VALID FOR VIRTUAL DEVICES

Cause
A request to change the copy mode is not valid for virtual devices.

Action
Try the operation again, specifying the correct Dell EMC device.

ESNPH99E

ALLOW_FLASHCOPY(YES/NO) ONLY VALID FOR EMC DEVICES

Cause
ALLOW_FLASHCOPY(YES) or ALLOW_FLASHCOPY(NO) was specified. This is only valid if used with Dell EMC standard devices.

Action
Remove the ALLOW_FLASHCOPY parameter from the CONFIG statement.

ESNPH9AE

SET_LINK_TARGET_HOLD AND RELEASE_LINK_TARGET_HOLD ARE MUTUALLY EXCLUSIVE

Cause
Both SET_LINK_TARGET_HOLD and RELEASE_LINK_TARGET_HOLD were set to Yes, but the parameters are mutually exclusive.

Action
Correct the specification and retry.

ESNPI00I

ESNPI00I DEVICE HOLD SUCCESSFULLY SET

Cause
RELEASE(NO) was requested and successfully processed.

Action
None.

ESNPI01I

DEVICE HOLD IS ALREADY SET
**ESNPI02W**

DEVICE HAS SESSIONS, HOLD ALREADY SET

**Cause**
RELEASE(NO) was requested but the device still has active sessions and is held.

**Action**
None.

**ESNPI03E**

ERROR ATTEMPTING TO HOLD DEVICE, RC: xxx R0: xxxxxxxx R1: xxxxxxxx

**Cause**
An API request was made to change the HOLD status and it failed with the indicated error code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPI04E**

DESTINATION DEVICE IS NOT READY

**Cause**
A RELEASE(NO) has been issued against a device that is not ready.

**Action**
Make the device ready and rerun the request.

**ESNPI10I**

DEVICE HOLD SUCCESSFULLY RESET

**Cause**
RELEASE(YES) was requested and successfully processed.

**Action**
None.
ESNPI11I

DEVICE HOLD IS ALREADY RESET

Cause
RELEASE(YES) was requested and already found released.

Action
None.

ESNPI12W

DEVICE HAS SESSIONS, HOLD CANNOT BE RESET

Cause
RELEASE(YES) was requested but the device still has active sessions and is held.

Action
Try the operation again after all of the sessions are gone.

ESNPI13E

ERROR ATTEMPTING TO RESET HOLD ON DEVICE, RC: xxx R0: xxxxxxxx R1: xxxxxxxx

Cause
An API request was made to change the HOLD status and it failed with the indicated error code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

ESNPI14E

DESTINATION DEVICE IS NOT READY

Cause
A CONFIG(RELEASE) has been issued against a device that is not ready.

Action
Make the device ready and rerun the request.
ESNPI15I

NO LINK_TARGET_HOLD LOCKS FOUND TO RELEASE FOR ANY DEVICES ON CONTROLLER SERIAL #:symm-serial

Cause
Release of link target hold was requested but no locks to be released were found for the devices on the indicated storage system.

Action
None.

ESNPI20E

UNABLE TO LOCATE A GATEKEEPER DEVICE FOR VIRTUAL DEVICE REQUEST

Cause
Unable to locate a gatekeeper device for a virtual device request.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

ESNPI21E

CONFIG SECURE(NO) NOT ALLOWED

Cause
A CONFIG command was issued with the SECURE option set to NO, which is not allowed. The CONFIG command allows setting SECURE(YES) only.

Action
Change to CONFIG SECURE(YES) or use a command where SECURE(NO) is allowed. Refer to command syntax information in the Dell EMC Mainframe Enablers TimeFinder SnapVX and zDP Product Guide.

ESNPI30I

DEVICE SUCCESSFULLY MADE READY

Cause
READY(YES) was requested and successfully processed.

Action
None.
ESNPI31I

DEVICE IS ALREADY READY, OR THE DEVICE IS AN ESTABLISHED BCV

Cause
READY(YES) was requested and (a) already found ready or (b) is found to be an established BCV.

Action
For situation (a), no action is required. For situation (b), the device must be split before it can be made ready.

ESNPI32E

ERROR ATTEMPTING TO READY DEVICE, RC: xxx R0: xxxxxxxx R1: xxxxxxxx

Cause
An API request was made to change the READY status and it failed with the indicated error code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPI33I

DEVICE IS NOW READY (OR WAS ALREADY READY)

Cause
READY(YES) was requested and successfully processed, or the device was already in the desired state.

Action
None.

ESNPI40I

DEVICE SUCCESSFULLY MADE NOT-READY

Cause
READY(NO) was requested and successfully processed.

Action
None.
ESNPI41I

DEVICE IS ALREADY NOT-READY

Cause
READY(NO) was requested and already found not-ready.

Action
None.

ESNPI42E

ERROR ATTEMPTING TO MAKE DEVICE NOT-READY, RC: xxx R0: xxxxxxxx R1: xxxxxxxx

Cause
An API request was made to change the READY status and it failed with the indicated error code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPI43I

DEVICE IS NOT-READY (OR WAS ALREADY NOT-READY)

Cause
READY(NO) was requested and successfully processed or the device was already in the desired state.

Action
None.

ESNPI50I

API QUERY VOLUME REQUEST PROCESSED

Cause
A QUERY VOLUME command was encountered by the API interface.

Action
None.
ESNPI60I

PROCESSING FOR STATEMENT # BEGINNING, QUERY VOLUME REQUEST

Cause
A QUERY VOLUME operation is beginning to be processed.

Action
None.

ESNPI61I

PROCESSING FOR STATEMENT # COMPLETED, HIGHEST RETURN CODE ENCOUNTERED IS xxx

Cause
A QUERY VOLUME operation has completed.

Action
None.

ESNPI62W

NO VOLUMES SELECTED FOR PROCESSING

Cause
No volumes were found to be processed.

Action
Either specify a volume using STGGROUP, SCFGROUP, ESOTERIC(UNITNAME), BCVGROUP or VOLUME parameter, or ensure the specified volumes are online.

ESNPI63I

message_text

Cause
A QUERY VOLUME command has been issued. TimeFinder displays an ESNPI63I message to display basic information for each device.

Consider the following ESNPI63I message line:

ESNPI63I 0048(6108)*6108* STD CKD-03339 RDY RAID/1 SNAP-SRC NO INVALID TRACKS

Where:

<table>
<thead>
<tr>
<th>Value</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>0048</td>
<td>PowerMax/VMAX device number.</td>
</tr>
<tr>
<td>Value</td>
<td>Meaning</td>
</tr>
<tr>
<td>---------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>6108</td>
<td>z/OS device number (CCUU).</td>
</tr>
<tr>
<td><em>6108</em></td>
<td>Volume serial number as known by z/OS. If an asterisk (*) is in the first position, z/OS does not know the volume serial and TimeFinder derives it as follows:</td>
</tr>
<tr>
<td></td>
<td>• If the item is <em>xxxx</em>, then xxxx is the z/OS CCUU.</td>
</tr>
<tr>
<td></td>
<td>• If the item is <em>Lxxxx</em>, then xxxx is the PowerMax/VMAX device number.</td>
</tr>
<tr>
<td></td>
<td>• If the item is <em>Rxxxx</em>, then xxxx is the PowerMax/VMAX device number.</td>
</tr>
<tr>
<td>STD</td>
<td>PowerMax/VMAX device type. The device type may be STD, BCV, VIRT, LOG, META, DMY, PVLT, TDAT, TDEV, TDVS.</td>
</tr>
<tr>
<td></td>
<td><strong>Note</strong></td>
</tr>
<tr>
<td></td>
<td>DMY represents DUMMY. The operating environment has a slot for every number. If a device is removed, it is called a dummy device and is represented by DMY.</td>
</tr>
<tr>
<td>CKD</td>
<td>The device architecture. Can be CKD or FBA.</td>
</tr>
<tr>
<td>03339</td>
<td>The number of cylinders on the device.</td>
</tr>
<tr>
<td>READY</td>
<td>The device state, can be READY or NOTREADY.</td>
</tr>
<tr>
<td>RAID/1</td>
<td>RAID type, can be RAID/S, RAID/5, RAID/10, RAID/1, RAID/6, or RAID/NA.</td>
</tr>
<tr>
<td>SNAP−SRC</td>
<td>Indicates that this device is a source device. Can also be:</td>
</tr>
<tr>
<td></td>
<td>• SNAP−TGT, indicating that the device is a target device.</td>
</tr>
<tr>
<td></td>
<td>• VIRT−SRC(xxxx) - indicates that this device is a virtual source device. The virtual device PowerMax/VMAX device number is xxxx.</td>
</tr>
<tr>
<td></td>
<td>• VIRT−TGT(xxxx−yyyy) - indicates that this device is a virtual device. The source PowerMax/VMAX device number is xxxx and the source session ID is yyyy.</td>
</tr>
<tr>
<td>SOME INVALID TRACKS</td>
<td>Indicates whether there are invalid tracks on this device.</td>
</tr>
<tr>
<td>NO INVALID TRACKS</td>
<td></td>
</tr>
</tbody>
</table>

**Action**

None.
ESNPI64W

CONTROLER S/N ssssss-ssss IS NOT AN EMC CONTROLLER

**Cause**
A device was specified in a non-Dell EMC storage system for the QUERY VOLUME operation.

**Action**
Correct the volume specification.

ESNPI65I

PROCESSING CONTROLLER S/N ssssss-ssss [(system-name)] - MICROCODE LEVEL - xxxx

or

PROCESSING CONTROLLER S/N ssssss-ssss - MICROCODE LEVEL - xxxx

**Cause**
This is a summary line identifying the storage system that is being processed by the QUERY VOLUME command.

**Action**
None.

ESNPI66I

ACTIVE SESSION(S): xxx

**Cause**
This line appears if any sessions exist for the volume.

**Action**
None.

ESNPI67I

SESSION_LIST(NO) SPECIFIED, SESSION LIST BYPASSED

**Cause**
SESSION_LIST(NO) was specified.

**Action**
None.
ESNPI68I

**CONTROLLER NAME:** name

**Cause**
If a storage system name is associated with a storage system, this line will list the storage system name.

**Action**
None.

ESNPI69E

**VOLUME (xxxxxx S/N nnnnnnn-nnnnn/nnnn) CANNOT BE A VIRTUAL DEVICE FOR GATEKEEPER PURPOSES**

**Cause**
A virtual device (VDEV) has been specified as a gatekeeper device.

**Action**
Change the gatekeeper device to a non virtual device.

ESNPI70E

**STORAGE GROUP NAME (xxx) INVALID**

**Cause**
The STGGROUP specified on the QUERY VOLUME command was not found.

**Action**
Correct or remove the STGGROUP parameter.

ESNPI71E

**SMS VALIDATION FAILED FOR GROUP xxx WITH ERROR CODE: xxx AND REASON CODE: xxx**

**Cause**
An error was returned from SMS for the specified storage group.

**Action**
Correct or remove the STGGROUP parameter. If the problem persists, search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.
ESNPI80E

VDEV MUST REFER TO A VIRTUAL DEVICE

**Cause**
The device specified in the VDEV parameter is not a valid virtual device.

**Action**
Correct the device to be a valid virtual device.

ESNPI81I

SYMDV DEVICES: CONDVOL, COPYVOLID, FREESPACE, NEWVOLID, REFVTOC, REPLACE, VCLOSE, PREPARE_FOR_SNAP - IGNORED

**Cause**
The indicated parameters are ignored for SYMDV# requests.

**Action**
None

ESNPI82E

THE TARGET VOLUME IS AN SRDF R1 DEVICE THAT IS RESTRICTED FROM SNAP OPERATIONS

**Cause**
The target volume specified is an SRDF R1 device that is restricted from use by the SRDFA_R1_TARGET or SRDFS_R1_TARGET. This may be restricted in the site options table or by an option specified in the current job.

**Action**
Either choose another device to use as the target device, or refer to the SRDFA_R1_TARGET or SRDFS_R1_TARGET parameter and choose an option that is appropriate to your needs.

ESNPI83E

GROUP PROCESSING: COPYVOLID(YES) REQUIRED

**Cause**
COPYVOLID(NO) was specified with GROUP processing. When the POSTSNAP does not occur in the same execution as the PRESNAP, we are unable to remember the original volser for the target device in order to restore it after the device has been activated.

**Action**
Specify COPYVOLID(YES) and rerun.
ESNPI84E

TARGET DEVICE MAY NOT BE AN RDF R2 DEVICE THAT IS NOT READY

Cause
A SNAP VOLUME specified a target device that is an active SRDF R2 device.

Action
Either specify another device, or terminate the SRDF session with the device and then enable and ready the device.

ESNPI85E

GROUP PROCESSING: VDEV(FREE) NOT ALLOWED

Cause
VDEV(FREE) was specified with GROUP processing. When the POSTSNAP does not occur in the same execution as the PRESNAP, we are unable to remember the VDEV device that is assigned as the target device.

Action
Use VDEV with a specific device number.

ESNPI86E

THIN DEVICE (TDEV) OPERATIONS ARE ONLY ALLOWED WITH OTHER THIN OR VIRTUAL DEVICES

Cause
A request specified an operation involving a thin device and another device that was not a thin device.

Action
Correct the request so that thin devices are used with thin device, or non-thin devices are used with non-thin device.

ESNPI87E

SOURCE_VDEV MUST REFER TO A VIRTUAL DEVICE

Cause
SOURCE_VDEV contained a reference to a non-virtual device.

Action
If a non-virtual device is correct, change SOURCE_VDEV to SOURCE, or correct the device reference to the proper virtual device.
ESNPI88E

SOURCE MAY NOT REFER TO A VIRTUAL DEVICE

Cause
Only the RESTORE or COMPARE VOLUME may reference a virtual device in the SOURCE parameter.

Action
Review your request and correct your source device.

ESNPI89I

SPACE EFFICIENT DEVICES REQUIRE MODE(NOCOPYRD), ASSUMED

Cause
When a space efficient device is used as a source or target device, MODE(NOCOPYRD) is required. In this case, it was not specified. MODE(NOCOPYRD) is assumed and this request will continue.

Action
None. Specify MODE(NOCOPYRD) to avoid this message.

ESNPI90I

COMPLETION CHECK RESTORING VOLUME xxx TO xxx

Cause
WAITFORCOMPLETION(YES) was specified and a device is being restored.

Action
None.

ESNPI91I

SOME INDIRECT TRACKS REMAIN

Cause
WAITFORCOMPLETION(YES) was specified for a restore operation and the restore is not yet complete.

Action
None.
ESNPI92I

CHECK COMPLETE, RESTORE COMPLETE

Cause
WAITFORCOMPLETION(YES) was specified for a restore operation and the restore is now complete.

Action
None.

ESNPJ00I

VARY OFFLINE COMMAND ISSUED TO VOLUME xxx, DEVICE xxx

Cause
A VARY OFFLINE command was issued to the console for the indicated device.

Action
None.

ESNPJ10I

VARY ONLINE COMMAND ISSUED TO VOLUME xxx, DEVICE xxx

Cause
A VARY ONLINE command was issued to the console for the indicated device.

Action
None.

ESNPJ20I

PROCESSING FOR STATEMENT # RESUMED, COPY DATASET REQUEST

Cause
Processing for this SNAP DATASET request has been resumed following ACTIVATE command processing.

Action
None.

ESNPJ21I

PROCESSING FOR STATEMENT #nnnn SUSPENDED FOR PENDING ACTIVATE
Cause
Processing for this SNAP DATASET request has been suspended due to ACTIVATE command processing. It will be resumed after the ACTIVATE command processing is complete.

Action
None.

ESNPJ22W

DIFFERENTIAL_DATASET(YES) REQUIRES REPLACE(YES) and REUSE(YES), DIFFERENTIAL_DATASET_DISABLED

Cause
Differential dataset processing requires that the target dataset be in the same physical location on disk each time. That means that REPLACE(YES) and REUSE(YES) are required to prevent the target dataset from being scratched and allocated in different locations each time.

Action
If differential dataset processing is desired, specify REPLACE(YES) and REUSE(YES). If the target dataset needs to be reallocated each time, specify DIFFERENTIAL_DATASET (NO).

ESNPJ23W

PARALLEL_CLONE(YES) REQUIRES ACTIVATE STATEMENT WITH CONSISTENT(YES), PARALLEL_CLONE_DISABLED

Cause
PARALLEL_CLONE(YES) was specified, but an ACTIVATE statement with CONSISTENT(YES) was omitted.

Action
Either specify PARALLEL_CLONE(NO), or add an ACTIVATE statement with CONSISTENT(YES).

ESNPJ30I

PROCESSING FOR STATEMENT #nnnn RESUMED, COPY FROM VOLUME volser TO VOLUME volser

Cause
Processing for this SNAP VOLUME request has been resumed following ACTIVATE command processing.

Action
None.
ESNPJ31I

Processing for statement #nnnn suspended for pending activate

Cause
Processing for this SNAP VOLUME request has been suspended due to ACTIVATE command processing. It will be resumed after the ACTIVATE command processing is complete.

Action
None.

ESNPJ32E

PRESNAP(NO) and POSTSNAP(NO) not allowed except during group processing

Cause
PRESNAP(NO) and POSTSNAP(NO) were specified on a request. These parameters are only allowed when a GROUP is being processed.

Action
Either:
- If these parameters are desired, the requests must be put into a group. Then, the group can be processed with the parameters.
- Remove the PRESNAP and POSTSNAP parameters from this request.

ESNPJ33E

PRESNAP(NO) and POSTSNAP(YES) not allowed except during group processing

Cause
PRESNAP(NO) and POSTSNAP(YES) were specified on a request. These parameters are only allowed when a GROUP is being processed.

Action
Either:
- If these parameters are desired, the requests must be put into a group. Then, the group can be processed with the parameters
- Remove the PRESNAP and POSTSNAP parameters from this request.

ESNPJ34E

PRESNAP(YES) and POSTSNAP(NO) not allowed except during group processing
**Cause**
PRESNAP(YES) and POSTSNAP(NO) were specified on a request. These parameters are only allowed when a GROUP is being processed.

**Action**
Either:

- If these parameters are desired, the requests must be put into a group. Then, the group can be processed with the parameters.
- Remove the PRESNAP and POSTSNAP parameters from this request.

---

**ESNPJ35E**

POOL(poolname) IS NOT A SNAPPOOL POOL.

**Cause**
POOL was specified for a SNAP VOLUME to VDEV operation. The poolname was valid, but was not a snap device pool.

**Action**
VDEV requires a snap device pool to be used. Remove the POOL parameter in order to use the default pool, or specify a poolname that is a snap device pool.

---

**ESNPJ36E**

UNABLE TO SNAP VOLUME - VIRTUAL DEVICE IS ALREADY ACTIVE (IN SESSION)

**Cause**
The site option VDEV_REUSE is set to NO. This means that a SNAP VOLUME statement cannot be issued to a VDEV that is already active until a STOP SNAP statement is used to free the VDEV.

**Action**
Either:

- Use STOP SNAP to free the VDEV and try the request.
- Use a different VDEV device.

---

**Note**
The Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide contains more information about VDEV_REUSE and other site options.

---

**ESNPJ37E**

UNABLE TO COPY VOLUME WITH DATAMOVER - SOURCE DEVICE IS IN A NOT-READY STATE

**Cause**
A datamover must be used to copy the volume, but the source volume is currently not-ready, meaning that it cannot respond to I/O requests.
**ESNPJ38E**

UNABLE TO COPY VOLUME WITH DATAMOVER - TARGET DEVICE IS IN A NOT-READY STATE

**Cause**
A datamover must be used to copy the volume, but the target volume is currently not-ready, meaning that it cannot respond to I/O requests.

**Action**
Use the CONFIG command to ready the device.

**ESNPJ39W**

PARALLEL_CLONE(YES) REQUIRES ACTIVATE STATEMENT WITH CONSISTENT(YES), PARALLEL_CLONE DISABLED

**Cause**
PARALLEL_CLONE(YES) was specified, but an ACTIVATE statement with CONSISTENT(YES) was omitted.

**Action**
Either specify PARALLEL_CLONE(NO), or add an ACTIVATE statement with CONSISTENT(YES).

**ESNPJ3AE**

DATAMOVERS ARE NOT ALLOWED WITH PRESNAP(YES) OPTION

**Cause**
The DATAMOVER and PRESNAP(YES) options were both specified in the same SNAP VOLUME command.

**Action**
Remove either the PRESNAP(YES) or DATAMOVER parameter from the SNAP VOLUME command and resubmit the job.

**ESNPJ40E**

INCOMPATIBLE APPLICATION INVOKING EMCSNAP API

**Cause**
An incompatible application was found to be invoking the SNAP API.

**Action**
Typically, this is caused by release mismatch between the TimeFinder module and the EMCSNAPI code running in SCF. Verify that all modules and code are at the same or appropriate code level (including the SCF being used).
ESNPJ50I

WAITING TO PERFORM FREE VIRTUAL DEVICE MANAGEMENT

**Cause**
VDEV(FREE) was specified. The FREE VIRTUAL DEVICE MANAGER must be serialized for use.

**Action**
None.

ESNPJ60I

RELEASING FREE VIRTUAL DEVICE MANAGEMENT

**Cause**
VDEV(FREE) was specified and the FREE VIRTUAL DEVICE MANAGER is no longer required.

**Action**
None.

ESNPJ70E

SITE LICENSE DISALLOWS DIFFERENTIAL SNAP

**Cause**
The Site LFC does not allow differential snap operations.

**Action**
Add the differential snap license code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPJ71E

CONTROLLER LICENSE DISALLOWS DIFFERENTIAL SNAP - SERIAL#: nnnnnnn-nnnnn

**Cause**
The storage system LFC does not allow differential snap operations on the specified storage system.

**Action**
Add the differential snap license code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.
ESNPJ72E

@EMCKFI FAILED CHECKING CONTROLLER S/N nnnnnnn-nnnnn, R15: xxxxxxxx
R0: xxxxxxxx

Cause
#EMCKFI returned an error while attempting to check the LFC for the specified storage system.

Action
Correct or remove the STGGROUP parameter. If this does not solve the problem, review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you are not able to find a solution, contact Dell EMC Customer Support. Make sure you have documentation relevant to the job available.

ESNPJ73E

TO FIND OUT MORE OR OBTAIN THE NECESSARY LFC CONTACT YOUR LOCAL EMC SALES REPRESENTATIVE

Cause
A differential snap was attempted without enabling the feature.

Action
Add the differential snap licensed feature code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPJ80E

SITE LICENSE DISALLOWS EMCSNAP

Cause
The Site LFC does not allow snap operations with the TARGET parameter.

Action
Add the appropriate TARGET licensed feature code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPJ81E

CONTROLLER LICENSE DISALLOWS EMCSNAP - SERIAL#: nnnnnn-nnnnn

Cause
The storage system LFC does not allow snap operations on the specified storage system with the TARGET parameter.
Action
Add the appropriate TARGET licensed feature code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPJ82E

@EMCKFI FAILED CHECKING CONTROLLER nnnnnnn-nnnnn, R15: xxxxxxxxx R0: xxxxxxxxx

Cause
#EMCKFI returned an error while attempting to check the LFC for the specified storage system.

Action
Review the JOB log and SYSLOG for errors. If you cannot determine and correct the problem, correct or remove the STGGROUP parameter. If the problem persists, review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you are not able to find a solution, contact Dell EMC Customer Support. Make sure you have documentation relevant to the job available.

ESNPJ83E

TO FIND OUT MORE OR OBTAIN THE NECESSARY LFC CONTACT YOUR LOCAL EMC SALES REPRESENTATIVE

Cause
A snap operation was attempted without enabling the feature.

Action
Add the snap license code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPJ90E

SITE LICENSE DISALLOWS VIRTUAL SNAP

Cause
The Site LFC does not allow virtual device snap operations (TimeFinder/Snap).

Action
Add the appropriate VDEV licensed feature code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPJ91E

CONTROLLER LICENSE DISALLOWS VIRTUAL SNAP - SERIAL#: nnnnnnn-nnnnn
Cause
The storage system LFC does not allow virtual device snap operations (TimeFinder/Clone) on the specified storage system.

Action
Add the appropriate VDEV licensed feature code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPJ92E

@EMCKFI FAILED CHECKING CONTROLLER nnnnnnn-nnnnn, R15: xxxxxxxx R0: xxxxxxxx

Cause
@EMCKFI returned an error while attempting to check the LFC for the specified storage system.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPJ93E

TO FIND OUT MORE OR OBTAIN THE NECESSARY LFC CONTACT YOUR LOCAL EMC SALES REPRESENTATIVE

Cause
A virtual device snap operation was attempted without enabling the feature.

Action
Add the virtual snap licensed feature code to SCF. You may need to contact your local Dell EMC Sales representative to obtain the code.

ESNPJ94E

UNABLE TO VALIDATE CONTROLLER LICENSE, CONTROLLER NOT DEFINED TO SCF - S/N xxxxxxxx-xxxxx

Cause
An attempt to validate the storage system license failed. The device storage system is not defined to SCF.

Action
Either review the SCF devices and ensure that the device is included in SCF, or correct the device reference to a valid SCF device.
TO FIND OUT MORE OR OBTAIN THE NECESSARY LFC CONTACT YOUR LOCAL EMC SALES REPRESENTATIVE

**Cause**
A virtual device snap operation was attempted without enabling the feature.

**Action**
Add the virtual snap eLicenses to your storage systems. You may need to contact your local Dell EMC sales representative to obtain the code.

---

@EMCKFI failed.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

---

@EMCKFI failed.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

---

@EMCKFI failed.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPK03E

@EMCKFI FAILED CHECKING SITE DATAMOVER SNAP - R15: xx R0: xx

Cause
@EMCKFI failed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPK04E

@EMCKFI FAILED CHECKING SITE SNAP CONSIST - R15: xx R0: xx

Cause
@EMCKFI failed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPK05E

@EMCKFI FAILED CHECKING SITE LICENSE FOR featurename - R15: xxxxxxxx R0: xxxxxxxx

Cause
#EMCKFI returned an error while attempting to check the LFC for the indicated feature.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you are not able to find a solution, contact Dell EMC Customer Support. Make sure you have documentation relevant to the job available.
ESNPK10I

API PARALLEL REQUEST PROCESSED

Cause
PARALLEL request encountered in the API interface.

Action
None.

ESNPK20I

API SERIAL REQUEST PROCESSED

Cause
SERIAL request encountered in the API interface.

Action
None.

ESNPK30E

SUBTASKING IDENTIFY FAILED WITH RC=xxxxxxxx

Cause
An IDENTIFY request failed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPK31I

A MAXIMUM OF nnn SUBTASKS WILL BE SCHEDULED

Cause
PARALLEL(YES) has been specified and this identifies the maximum number of subtasks that can be scheduled based on the region size available.

Action
None.
ESNPK32E

SUBTASKING LOAD OF MODULE name FAILED WITH RC=xxxxxxxx R1=xxxxxxxx

Cause
PARALLEL(YES) has been specified, but the load of the subtasking interface module failed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPK40E

SNAP VOLUME STATEMENT #nnn IS DEPENDENT ON THE COMPLETION OF STATEMENT #nnn

Cause
PARALLEL(YES) was specified and two commands are co-dependent. The two commands will not be run simultaneously, since one depends on the results of the other.

Action
None.

ESNPK41E

SNAP VOLUME STATEMENT #nnn AND STATEMENT #nnn BOTH TARGET THE SAME VOLUME vvvvvv

Cause
PARALLEL(YES) has been specified and two commands target the same volume. The two commands will not be run simultaneously since the second will end up replacing the volume contents.

Action
None.

ESNPK50E

SNAP DATASET STATEMENT #nnn IS DEPENDENT ON THE COMPLETION OF STATEMENT #nnn
Cause
PARALLEL(YES) has been specified and two commands are co-dependent. The two commands will not be run simultaneously since one depends on the results of the other.

Action
None.

ESNPK51E

SNAP DATASET STATEMENT #nnn AND STATEMENT #nnn BOTH TARGET THE SAME DATASET

Cause
PARALLEL(YES) has been specified and two commands target the same volume. The two commands will not be run simultaneously since the second will end up replacing the volume contents.

Action
None.

ESNPK52I
dsname

Cause
This message identifies the dataset referred to in message ESNPK51E.

Action
None.

ESNPK60I

EMCSNAP SUBTASK nnn STARTED

Cause
Debugging message issued to the console log indicating that a subtask has received control and is available for work.

Action
None.

ESNPK61I

EMCSNAP SUBTASK nnn ENDED

Cause
Debugging message issued to the console log indicating that a subtask has terminated.
ESNPK62I

EMCSNAP_SUBTASK nnn WAKEUP - NO WORK FOUND

Cause
Debugging message issued to the console log indicating that a subtask was posted with work and no work was found.

Action
None.

ESNPK70S

PARALLEL_TASK_FOR_THIS_REQUEST_ABNORMALLY_TERMINATED

Cause
Subtask terminated. See the console log for details.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPK71I

** ENQ_SCOPE(STEP) REQUESTED, BEGINNING SOURCE DATASET ENQUEUES

Cause
ENQ_SCOPE(STEP) was specified. This causes all of the dataset ENQUEUES to be performed prior to any request being processed.

Action
None.

ESNPK72I

** ENQ_SCOPE(STEP) PROCESSING COMPLETED.

Cause
ENQ_SCOPE(STEP) was specified. All dataset ENQUEUES have been performed prior to any request processing.

Action
None.
ESNPK80S

PARALLEL TASK FOR THIS REQUEST ABNORMALLY TERMINATED

Cause
Subtask terminated. See console log for details.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPK81E

LDM ENDED WITH RETURN CODE xxxxxxxxxx

Cause
The z/OS Migrator interface returned with the return code indicated.

Action
None.

ESNPK81I

LDM ENDED WITH RETURN CODE xxxxxxxxxx

Cause
The LDMF (z/OS Migrator) interface returned with the return code indicated.

Action
None.

ESNPK81W

LDM ENDED WITH RETURN CODE xxxxxxxxxx

Cause
The z/OS Migrator interface returned with the return code indicated.

Action
None.
**ESNPK82I**

**SOURCE DEVICE OFFLINE, UTILITY PROGRAM MAY FAIL**

**Cause**
A SNAP VOLUME request has a datamover specified and the source device is offline. It is possible that the source and target device may not be able to be snapped with the operating environment, in which case the datamover will be used. Some of the datamover utility programs (ADRDSSU and FDRDSF) do not support offline source devices.

**Action**
Unless the datamover is going to be executed, this message may be ignored. If the datamover is desired, then COPYCYL or COPYTRK may be used. COPYCYL and COPYTRK support offline devices.

**ESNPK83I**

**TARGET DEVICE OFFLINE, UTILITY PROGRAM MAY FAIL**

**Cause**
A SNAP VOLUME request has a datamover specified and the target device is offline. It is possible that the source and target device may not be able to be snapped with the operating environment, in which case the datamover is used. Some of the datamover utility programs (ADRDSSU and FDRDSF) do not support offline target devices.

**Action**
Unless the datamover is going to be executed, this message may be ignored. If the datamover is desired, then COPYCYL or COPYTRK may be used. COPYCYL and COPYTRK support offline devices.

**ESNPK84I**

**EMCCOPY NO LONGER AVAILABLE, SUBSTITUTING COPYCYL**

**Cause**
EMCCOPY was requested as the datamover for a device where EMCCOPY is no longer supported. COPYCYL will be used instead.

**Action**
None.

**ESNPK85W**

**CONSISTENT ACTIVATE WITH BOTH SRDF/A AND SRDF/S R2 DEVICES - WILL NOT BE CONSISTENT!**
Cause
A consistent activate of devices that includes both SRDF/A and SRDF/S remote devices is being performed. While consistency of the SRDF/A devices will be maintained, and consistency of the SRDF/S devices will also be obtained, they will have different point-in-time consistency, thus considered not consistent.

Action
None. This is a warning to indicate that there will be separate point-in-time consistency for the two device categories.

ESNPK86W

CONSISTENT ACTIVATE WITH BOTH SRDF/A R2 DEVICE AND OTHER DEVICES - WILL NOT BE CONSISTENT!

Cause
A consistent activate of devices that includes SRDF/A devices and other devices is being performed. While consistency of the SRDF/A devices will be maintained, and consistency of the other devices will also be obtained, they will have different point-in-time consistency, thus considered not consistent.

Action
None. This is a warning to indicate that there will be separate point-in-time consistency for the two device categories.

ESNPK87W

CONSISTENT COPY ATTEMPTED, SOME R1/R21 DEVICES ARE IN ADAPTIVE COPY MODE, COPY NOT CONSISTENT

Cause
ACTIVATE with CONSISTENT(YES) was specified. Some R1 or R21 devices are in adaptive copy mode. This means that the device may stream changes to the R2 device and are not write dependent. Normal consistency methodology does not allow this.

Action
If you take no action, this is a warning to indicate that the copy will not be consistent. Prior to performing the activate, you may change the devices to not be in adaptive copy mode. This should result in a consistent copy.

ESNPK88I

PARALLEL_CLONE(YES) REQUESTED, PARALLEL CLONE NOT USED

Cause
PARALLEL_CLONE(YES) was specified. Some copies are not using parallel clone.

Action
Verify that all devices involved are valid R1 device with enabled R2 on an SRDF/S link. This message may be appropriate if some devices being copied do not meet the parallel clone criteria.
ESNPK89I

PARALLEL_CLONE(YES) REQUESTED, PARALLEL CLONE USED

Cause
PARALLEL_CLONE(YES) was specified. All copies are using parallel clone.

Action
None.

ESNPK90E

SNAP VOLUME STATEMENT #nnn IS DEPENDENT ON THE COMPLETION OF STATEMENT #nnn

Cause
PARALLEL(YES) has been specified and two statements are co-dependent. The two statements will not be run simultaneously since one depends on the results of the other.

Action
None.

ESNPK91E

SNAP VOLUME STATEMENT #nnnn INTERACTS WITH DEVICES USED IN STATEMENT #nnnn

Cause
PARALLEL(YES) has been specified and the same base device is being acted upon in two commands. For example, a restore of multiple VDEV devices that have the same standard device. The two commands will not be run simultaneously.

Action
None.

ESNPL00E

SNAP VOLUME STATEMENT #nnn IS DEPENDENT ON THE COMPLETION OF STATEMENT #nnn

Cause
PARALLEL(YES) was specified and two statements are co-dependent. The two statements will not be run simultaneously since one depends on the results of the other.

Action
None.
ESNPL10S

PARALLEL TASK FOR THIS REQUEST ABNORMALLY TERMINATED

Cause
Subtask terminated. See the console log for details.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPL20S

PARALLEL TASK FOR THIS REQUEST ABNORMALLY TERMINATED

Cause
Subtask terminated. See the console log for details.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPL30S

PARALLEL TASK FOR THIS REQUEST ABNORMALLY TERMINATED

Cause
Subtask terminated. See the console log for details.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPL40S

PARALLEL TASK FOR THIS REQUEST ABNORMALLY TERMINATED

Cause
Subtask terminated. See the console log for details.
**ESNPL50S**

**PARALLEL TASK FOR THIS REQUEST ABNORMALLY TERMINATED**

**Cause**
Subtask terminated. See the console log for details.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPL60S**

**PARALLEL TASK FOR THIS REQUEST ABNORMALLY TERMINATED**

**Cause**
Subtask terminated. See console log for details.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPL70W**

**AUTO_RELEASE REQUEST FAILED, THE SCF SERVER IS NOT AVAILABLE**

**Cause**
AUTO_RELEASE(YES) was requested, but the SCF service is not available to monitor the progress of the SNAP VOLUME request.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNPL71I

**AUTO RELEASE IGNORED, AUTO_RELEASE DOES NOT SUPPORT DEVICES SPECIFIED BY SYMDV#**

**Cause**
The command you supplied contained both the AUTO_RELEASE parameter and a device number (SYMDV#). The command does not allow both items to be present.

**Example 2**  **Action**
Reissue the command specifying either the AUTO_RELEASE parameter or a device number.

ESNPL80I

### INTRA-REQUEST LEVEL SUBTASKS WERE ATTACHED

**Cause**
Termination message when multi-tasking was used. This identifies the actual number of request level tasks that were attached.

**Action**
None.

ESNPL81I

### INTER-REQUEST LEVEL SUBTASKS WERE ATTACHED

**Cause**
Termination message when multi-tasking was used. This identifies the actual number of sub-request level tasks that were attached for wild-carded processes.

**Action**
None.

ESNPL90E

**VDEV CREATION HAS BEEN STOPPED ON CONTROLLER ssssss-ssss**

**Cause**
A request to create a new VDEV has failed (SNAP VOLUME TO VDEV). The SNAPPOOL Monitor in SCF has a rule set to prevent creation of new VDEV devices under certain conditions. The condition has been met.

**Action**
Check the SNAPPOOL monitor in SCF.
ESNPL91E

VDEV CREATION HAS BEEN STOPPED ON CONTROLLER sssss-ssssss POOL: pool-name

Cause
A request to create a new VDEV has failed (SNAP VOLUME TO VDEV). The SNAPPOOL Monitor in SCF has a rule set to prevent creation of new VDEV devices under certain conditions. The condition has been met.

Action
Check the SNAPPOOL monitor in SCF.

ESNPM00E

EMC SNAP API - TARGET DEVICE HAS VIRTUAL DEVICE SESSION

Cause
A SNAP DATASET or SNAP VOLUME request has failed because the target device currently has a virtual device attached.

Action
Either choose another target volume, or remove the virtual device.

ESNPM01E

EMC SNAP API - PERSISTENT RESTORE SESSION IS ACTIVE ON ORIGINAL SOURCE DEVICE

Cause
A persistent restore operation is active on the original source device. No restore operations can take place until this persistent restore operation is complete and the session removed.

Action
Attempt a cleanup on the original source device. After the persistent restore session is removed, try this operation again.

ESNPM02E

EMC SNAP API - I/O ERROR READING TARGET EXTENT TRACK

Cause
An I/O error occurred while reading the target extent track.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPM03E

**EMC SNAP API - I/O ERROR WRITING TARGET EXTENT TRACK**

**Cause**
An I/O error occurred while writing the target extent track.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPM04E

**EMC SNAP API - I/O ERROR SETTING SESSION COPY MODE**

**Cause**
An I/O error occurred when setting the session copy mode.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPM05E

**EMC SNAP API - I/O ERROR CREATING CLONE SESSION**

**Cause**
An I/O error occurred while create a clone session.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPM06E

**EMC SNAP API - I/O ERROR ESTABLISHING CLONE**
Cause
An I/O error occurred while establishing a clone session.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

ESNPM07E

EMC SNAP API - CLONE FEATURE REQUIRES 5X71 CODE OR HIGHER

Cause
A clone operation was attempted against a device that does not support clone operations.

Action
Either correct the device to be in the proper storage system, or upgrade the operating environment to support clone operations.

ESNPM08E

EMC SNAP API - MINIMUM API LEVEL NEEDED FOR REQUESTED ACTION

Cause
The TimeFinder API doesn't support the requested operation.

Action
Ensure that the correct version of SCF is being used. If the correct version of SCF is being used, review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPM09E

EMC SNAP API - TARGET DEVICE FAILED TO GO NOTREADY

Cause
The target device failed to go not-ready.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNPM10E

SITE LICENSE DISALLOWS EMCSNAP

**Cause**
The Site LFC does not allow snap operations with the TARGET parameter.

**Action**
Add the appropriate TARGET licensed feature code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPM11E

CONTROLLER LICENSE DISALLOWS EMCSNAP - SERIAL#: nnnnnnn-nnnnn

**Cause**
The storage system LFC does not allow snap operations on the specified storage system with the TARGET parameter.

**Action**
Add the appropriate TARGET licensed feature code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPM12E

@EMCKFI FAILED CHECKING CONTROLLER nnnnnnn-nnnnn, R15: xxxxxxxx R0: xxxxxxxx

**Cause**
@EMCKFI returned an error while attempting to check the LFC for the specified storage system.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPM13E

TO FIND OUT MORE OR OBTAIN THE NECESSARY LFC CONTACT YOUR LOCAL EMC SALES REPRESENTATIVE

**Cause**
A snap operation was attempted without enabling the feature.
Action
Add the appropriate licensed feature code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPM20E

INVALID CHARACTER ENCOUNTERED WHILE PROCESSING EXCLUDE_PATHGROUPID PARAMETER

Cause
An invalid character was used in the EXCLUDE_PATHGROUPID parameter.

Action
The valid characters are 0-9, A-F and '?' or '*'. Ensure that these are the only characters specified.

ESNPM21E

VALID CHARACTERS ARE HEX (0-F), '*' OR '?'

Cause
This message immediately follows message ESNPM20E.

Action
Message ESNPM20E provides more information.

ESNPM30I

COPY/NOCOPY REQUEST COMPLETED

Cause
The copy/nocopy mode change completed successfully.

Action
None.

ESNPM31I

SET SNAPSHOT EXPIRATION REQUEST COMPLETED

Cause
The snapshot expiration time has been set successfully.

Action
None.
ESNPM40E

ERROR OBTAINING DEVICE CHARACTERISTICS - RDC(64) FAILED, DOIO RC xxxx

Cause
The I/O to obtain the device characteristics failed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available. “DOIO error codes” in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides more information.

ESNPM50I

API CONFIGPOOL REQUEST PROCESSED

Cause
The CONFIGPOOL request has completed

Action
None.

ESNPM61E

NO ACTION REQUESTED FOR CONFIGPOOL

Cause
No action was coded on the CONFIGPOOL statement.

Action
Code a valid action on the CONFIGPOOL statement.

ESNPM62E

POOL PARAMETER IS REQUIRED FOR CONFIGPOOL

Cause
The POOL parameter is missing on the CONFIGPOOL command.

Action
Add the POOL parameter to the CONFIGPOOL command.
ESNPM63E

TYPE(SNAPPOOL) PARAMETER IS REQUIRED FOR CONFIGPOOL

Cause
The TYPE(SNAPPOOL) parameter is missing on the CONFIGPOOL command.

Action
Add the TYPE(SNAPPOOL) parameter to the CONFIGPOOL command.

ESNPM64E

DEV PARAMETER IS REQUIRED FOR CONFIGPOOL ADD/DISABLE/ENABLE/REMOVE

Cause
The DEV parameter is missing on the CONFIGPOOL command.

Action
Add the DEV parameter to the CONFIGPOOL command.

ESNPM65E

DEV PARAMETER IS NOT ALLOWED WITH CONFIGPOOL CREATE/DELETE/DISPLAY

Cause
The DEV parameter was specified on the CONFIGPOOL command when it is not allowed.

Action
Remove the DEV parameter from the CONFIGPOOL command.

ESNPM70I

PROCESSING FOR STATEMENT #nnnnn BEGINNING, CONFIGPOOL action poolname USING VOLUME vvvvvv S/N sssssssssss

Cause
Processing of the CONFIGPOOL command is beginning.

Action
None.

ESNPM71I

PROCESSING FOR STATEMENT #nnnnn COMPLETED, HIGHEST RETURN CODE ENCOUNTERED IS rc
**ESNPM72I**

**PROCESSING BYPASSED DUE TO TYPRUN(NORUN) OPTION**

**Cause**
Processing of the CONFIGPOOL command is bypassed because TYPRUN(NORUN) was specified.

**Action**
Omit the TYPRUN(NORUN) parameter and rerun.

**ESNPM73I**

**PROCESSING BYPASSED DUE TO PREPARE_FOR_SNAP(YES) OPTION**

**Cause**
Processing of the CONFIGPOOL command is bypassed because PREPARE_FOR_SNAP(YES) was specified.

**Action**
None. Rerun omitting the PREPARE_FOR_SNAP(YES) parameter.

**ESNPM74E**

**POOL(poolname) IS NOT A SNAPPOOL POOL.**

**Cause**
POOL was specified for a CONFIGPOOL operation. The poolname was valid, but was not a TYPE(SNAPPOOL) pool.

**Action**
EMCSNAP CONFIGPOOL requires a snap device pool to be used. Specify a poolname that is a snap device pool. For operations involving other pool types, refer to the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide for additional support.

**ESNPM80E**

**EMC SNAP API - TARGET DEVICE FAILED TO GO READY**

**Cause**
The target device failed to go ready.
Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPM81E

EMC SNAP API - SESSION NOT FOUND FOR CLONE SPLIT

Cause
The split failed because the session was not found.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPM82E

EMC SNAP API - API ERROR - XTAPSIZE REQUIRED FOR XTAPVER_1 REQUEST

Cause
The API call required XTAPSIZE to be specified.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPM83E

EMC SNAP API - API ERROR - XTAPXTNT@ REQUIRED FOR XTAPVER_1 REQUEST

Cause
The API call required XTAPXTNT@ to be specified.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNPM84E

EMC SNAP API - BACKGROUND SPLIT NOT COMPLETE

**Cause**
The re-establish request failed because the background split was not complete.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

ESNPM85E

EMC SNAP API - ERROR ATTEMPTING TO RELEASE HOLD

**Cause**
The target device failed to release the hold.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPM86E

EMC SNAP API - I/O ERROR WITH SYMDEVICE

**Cause**
An I/O error occurred when obtaining the SYMDEVICE information.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPM87E

EMC SNAP API - UNABLE TO DETERMINE REMOTE DA FOR SOURCE DEVICE

**Cause**
Unable to determine the remote DA to be used for syscall execution.
Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPM88E

EMC SNAP API - UNABLE TO DETERMINE REMOTE DA FOR TARGET DEVICE

Cause
Unable to determine the remote DA to be used for syscall execution.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPM89E

EMC SNAP API - API ERROR - XTAPXTNTL REQUIRED FOR XTAPVER_1 REQUEST

Cause
The API call required XTAPXTNTL to be specified.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPM90E

EMC SNAP API - UNABLE TO DETERMINE REMOTE DA FOR RESTORE DEVICE

Cause
Unable to determine the remote DA to be used for syscall execution.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNPM91E

EMC SNAP API - ERROR QUERYING LOGPOOL INFORMATION

Cause
An I/O error occurred while obtaining logpool information.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

ESNPM92E

EMC SNAP API - ERROR QUERYING LOGPOOL DEVICE INFORMATION

Cause
An I/O error occurred while obtaining logpool device information.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

ESNPM93E

EMC SNAP API - ERROR CREATING LOG POOL

Cause
An I/O error occurred while creating a new logpool.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPM94E

EMC SNAP API - ERROR DELETING LOG POOL

Cause
An I/O error occurred while deleting a logpool.
**ESNPM95E**

**EMC SNAP API - ERROR CHANGING LOG POOL STATUS**

**Cause**
An I/O error occurred while deleting a logpool.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPM96E**

**EMC SNAP API - ERROR ADDING DEVICE TO LOG POOL**

**Cause**
An I/O error occurred while deleting a logpool.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPM97E**

**EMC SNAP API - ERROR REMOVING DEVICE FROM LOG POOL**

**Cause**
An I/O error occurred while deleting a logpool.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNPM98E

EMC SNAP API - ERROR CHANGING DEVICE STATUS IN LOGPOOL

Cause
An I/O error occurred while deleting a logpool.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPM99E

EMC SNAP API - LOG POOL NAME IS NOT DEFINED IN THE SYMMETRIX

Cause
The logpool name passed to the internal API is not defined to the storage system.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESPN00I

LOGPOOL INFORMATION FOR CONTROLLER - S/N sssssss/ssss

Cause
Message identifying the storage system for a CONFIGPOOL DISPLAY request.

Action
None.

ESPN01I

-NAME- -STATUS- -TYPE- -POOLTYPE-

Cause
Column header message for CONFIGPOOL DISPLAY

Action
None.
ESNPN02I

xxxxxxxxxxxx  xxxxxxxxx  xxxx  xxxxxxxxx

Cause
Detail message listing logpool and the status. The status may be: Undefined, Available or Full. The device type may be: CKD or FBA. The pooltype may be SNAPPOOL or DSEPOOL. (DSEPOOL is not used in TimeFinder.)

Action
None.

ESNPN03W

** NO LOGPOOLS FOUND **

Cause
CONFIGPOOL DISPLAY request and no logpools were found defined to the storage system.

Action
None.

ESNPN04E

LOGPOOL SPECIFIED - xxxxxxxxxxxxx - DOES NOT EXIST

Cause
The requested logpool is not defined to that storage system. This message cause a list of logpools that are defined to be generated.

Action
Either correct the logpool name, or specify a target device in the correct storage system.

ESNPN05I

LOGPOOL DEVICE INFORMATION FOR LOGPOOL - xxxxxxxxxxxxx

Cause
Message identifying the logpool for a CONFIGPOOL DISPLAY request.

Action
None.
ESNPN06I

```
DEVICE  STATUS  TYPE  USED  FREE  DRAIN?
```

**Cause**
Column header message for CONFIGPOOL DISPLAY for a specific logpool.

<table>
<thead>
<tr>
<th>Column</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEVICE</td>
<td>The logpool device.</td>
</tr>
<tr>
<td>STATUS</td>
<td>The status of the logpool device, as described under ESNPN07I.</td>
</tr>
<tr>
<td>TYPE</td>
<td>The type of device: FBA or CKD</td>
</tr>
<tr>
<td>USED</td>
<td>The number of tracks on the log device that are used.</td>
</tr>
<tr>
<td>FREE</td>
<td>The number of tracks on the log device that are not used (available).</td>
</tr>
<tr>
<td>DRAIN</td>
<td>An indication of whether the device is draining or not.</td>
</tr>
</tbody>
</table>

**Action**
None.

ESNPN07I

```
xxxxxxxxxxxx yyyyyyyyyy
```

**Cause**
Detail message listing logpool devices and the status. The status may be Undefined, Active, or Inactive.

**Action**
None.

ESNPN08I

```
NO DEVICES DEFINED TO LOGPOOL xxxxxxxxxxxxxxx
```

**Cause**
The requested logpool does not have any devices defined.

**Action**
None.
ESNPN09E

LOGPOOL logpoolname IS FBA, RESTRICTED FROM DISPLAY

Cause
The pool indicated is a pool of FBA devices. The site options table restricts operations from FBA devices. The pool will not be displayed.

Action
Either display another pool, or correct the site options table to allow operations on FBA devices.

ESNPN10E

LOGPOOL SPECIFIED - xxxxxxxxxxxxx - ALREADY EXISTS

Cause
The logpool cannot be created because one already exists with that name.

Action
Either ensure that you are operating against the correct storage system, or use a different name.

ESNPN11I

LOGPOOL xxxxxxxxxxxxx CREATED.

Cause
The new logpool has been created.

Action
None.

ESNPN12E

ERROR ENCOUNTERED WHILE CREATING LOGPOOL xxxxxxxxxxxxx

Cause
Unable to create the new logpool.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNPN13E

DEFAULT_POOL MAY NOT BE CREATED

Cause
The DEFAULT_POOL is reserved and cannot be created.

Action
Do not attempt to create the DEFAULT_POOL.

ESNPN20E

LOGPOOL SPECIFIED - xxxxxxxxxxxxx - DOES NOT EXIST

Cause
The logpool cannot be deleted, because it does not exist.

Action
Either ensure that you are operating against the correct storage system, or use a different name.

ESNPN21I

LOGPOOL xxxxxxxxxxxxx DELETED.

Cause
The logpool has been deleted.

Action
None.

ESNPN22E

ERROR ENCOUNTERED WHILE DELETING LOGPOOL xxxxxxxxxxxxx

Cause
Unable to delete the new logpool.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNPN23E

DEFAULT_POOL MAY NOT BE DELETED

**Cause**
The DEFAULT_POOL is reserved and cannot be deleted.

**Action**
Do not attempt to delete the DEFAULT_POOL.

ESNPN24E

ALL DEVICES MUST BE REMOVED FROM POOL BEFORE IT CAN BE DELETED

**Cause**
Add devices must be removed from a pool before it can be deleted.

**Action**
Remove the devices from the pool and delete it.

ESNPN25E

LOGPOOL SPECIFIED - poolname - IS NOT A SNAPPOOL POOL

**Cause**
POOL was specified for a CONFIGPOOL operation. The poolname was valid, but was not a TYPE(SNAPPOOL) pool.

**Action**
EMCSNAP CONFIGPOOL requires a snap device pool to be used. Specify a poolname that is a snap device pool. For operations involving other pool types, refer to SCF documentation for addition support.

ESNPN30E

LOGPOOL SPECIFIED - xxxxxxxxxxxx - DOES NOT EXIST

**Cause**
A device cannot be added to this logpool, because the logpool does not exist.

**Action**
Either ensure that you are operating against the correct storage system, or use a different name.
MAY NOT ADD DEVICES TO THE DEFAULT POOL

**Cause**
Devices may not be added to the default pool.

**Action**
Instead of adding devices to the default pool, make them inactive and remove them from the pool that they currently belong to. Removing them from a pool automatically puts them into the default pool.

NO APPROPRIATE DEVICES FOUND IN RANGE (xxx,xxxx) TO BE ADDED TO POOL xxxxxxxxxxxxxx

**Cause**
Any of the following:
1. No snap pool devices in that range.
2. Snap pool devices in the range are already defined to this pool.
3. Snap pool devices in the range are the wrong type (FBA or CKD).

**Action**
Review the device range.
For (1), specify a different range.
For (2), request was previously processed or specify a different pool.
For (3), specify a different range.

LOGPOOL logpoolname IS FBA, RESTRICTED FROM CHANGE

**Cause**
The pool indicated is a pool of FBA devices. The site options table restricts operations from FBA devices. The pool may not be changed.

**Action**
Either change another pool, or correct the site options table to allow operations on FBA devices.

LOGPOOL SPECIFIED - poolname - IS NOT A SNAPPOOL POOL
Cause
POOL was specified for a CONFIGPOOL operation. The poolname was valid, but was
not a snap device pool.

Action
EMCSNAP CONFIGPOOL requires a snap device pool to be used. Specify a poolname
that is a snap device pool. For operations involving other pool types, refer to SCF
documentation for addition support.

ESNPN40E

DEVICE RANGE INVALID - LOW DEVICE=xxxx HIGH DEVICE=xxxx

Cause
The low device number must have a value less than or equal to the high device
number.

Action
Correct the device number range and try again.

ESNPN41E

DEVICE xxxx IS ACTIVE IN A POOL

Cause
The specified device is active in a pool.

Action
Either change the device status to DISABLE, wait for the device to drain, and try
again; or choose a different device.

ESNPN42W

DEVICE xxxx IS THE WRONG TYPE, IGNORED

Cause
An FBA device is being added to a CKD pool, or a CKD device is being added to a FBA
pool.

Action
This device is ignored.

ESNPN43E

DEVICE nnnn IS FBA, RESTRICTED FROM CHANGE

Cause
The device indicated is an FBA device. The site options table restricts operations from
FBA devices. The device may not be changed.
**Action**
There are several steps you can take. You can change to a different device, or correct the site options table to allow operations on FBA devices.

**ESNPN50E**

**LOGPOOL SPECIFIED - xxxxxxxxxxxxxx - DOES NOT EXIST**

**Cause**
A device cannot be removed to this logpool, because the logpool does not exist.

**Action**
Either ensure that you are operating against the correct storage system, or specify a different name.

**ESNPN51E**

**MAY NOT REMOVE DEVICES FROM THE DEFAULT POOL**

**Cause**
Devices may not be removed from the default pool.

**Action**
Instead of removing devices from the default pool, make them inactive and add them to another pool. Adding them to a pool automatically removes them from the default pool.

**ESNPN52E**

**NO APPROPRIATE DEVICES FOUND IN RANGE (xxxx,xxxx) TO BE REMOVED FROM POOL xxxxxxxxxxxxxx**

**Cause**
Any of the following:

- No snap pool devices in that range.
- Snap pool devices in the range do not belong to this pool.
- Snap pool devices in the range are the wrong type (FBA or CKD).

**Action**
Review the device range to see if the request was previously processed. If not then either specify a different range or specify a different pool.

**ESNPN53E**

**LOGPOOL logpoolname IS FBA, RESTRICTED FROM CHANGE'**

**Cause**
The pool indicated is a pool of FBA devices. The site options table restricts operations from FBA devices. The pool may not be changed.
**Action**
Either change another pool, or correct the site options table to allow operations on FBA devices.

**ESNPN54E**

| LOGPOOL SPECIFIED - poolname - IS NOT A SNAPPOOL POOL |

**Cause**
POOL was specified for a CONFIGPOOL operation. The poolname was valid, but was not a snap device pool.

**Action**
EMCSNAP CONFIGPOOL requires a snap device pool to be used. Specify a poolname that is a snap device pool. For operations involving other pool types, refer to the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide for additional support.

**ESNPN60E**

| INTERNAL TABLE SIZE EXCEEDED, UNABLE TO PROCESS THIS REQUEST |

**Cause**
Internal table of devices to be added in a single request has been exceeded.

**Action**
Break the range of devices into multiple requests. There is a limit of 16000 devices that can be added or removed from a logpool in a single request.

**ESNPN70E**

| LOGPOOL SPECIFIED - xxxxxxxxxxxxxx - DOES NOT EXIST |

**Cause**
A device cannot be disabled in this logpool, because the logpool does not exist.

**Action**
Either ensure that you are operating against the correct storage system, or specify a different name.

**ESNPN71E**

| NO APPROPRIATE DEVICES FOUND IN RANGE (xxxx,xxxx) TO BE DISABLED IN POOL xxxxxxxxxxxxxx |

**Cause**
Either:
1. No SNAPPOOL devices in that range
or
2. SNAPPOOL devices in the range do not belong to this pool.

**Action**

Review the device range.

For (1), specify a different range.

For (2), specify the correct pool.

---

**ESNPN72E**

**LOGPOOL SPECIFIED - poolname - IS NOT A SNAPPOOL POOL**

**Cause**

POOL was specified for a CONFIGPOOL operation. The poolname was valid, but was not a snap device pool.

**Action**

EMCSNAP CONFIGPOOL requires a snap device pool to be used. Specify a poolname that is a snap device pool. For operations involving other pool types, refer to the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide for additional support.

---

**ESNPN80E**

**LOGPOOL SPECIFIED - xxxxxxxxxxxxx - DOES NOT EXIST**

**Cause**

A device cannot be enabled in this logpool, because the logpool does not exist.

**Action**

Either ensure that you are operating against the correct storage system, or specify a different name.

---

**ESNPN81E**

**NO APPROPRIATE DEVICES FOUND IN RANGE (xxxx,xxxx) TO BE ENABLED IN POOL xxxxxxxxxxxxx**

**Cause**

Either no SNAPPOOL devices in that range, or SNAPPOOL devices in the range do not belong to this pool.

**Action**

Review the device range and either specify a different range or specify the correct pool.

---

**ESNPN82E**

**LOGPOOL SPECIFIED - poolname - IS NOT A SNAPPOOL POOL**
Cause
POOL was specified for a CONFIGPOOL operation. The poolname was valid, but was not a TYPE(SNAPPOOL) pool.

Action
EMCSNAP CONFIGPOOL requires a SNAPPOOL pool to be used. Specify a poolname that is a SNAPPOOL pool. For operations involving other pool types, refer to the Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide.

ESNPN90E

POOL NAME "xxxxxxxxxxxxx" CONTAINS AN INVALID CHARACTER

Cause
The pool name specified is invalid. The name may only consist of 12 characters: A-Z, 0-9, (dash) and _(underscore). Embedded blanks are not allowed. Trailing blanks are allowed.

Action
Correct the pool name.

ESNPN91I

POOL NAME VALID CHARACTERS ARE: A-Z, 0-9, - AND _

Cause
This message follows message ESNPN90E or ESNPN92E to identify valid characters.

Action
Refer to the message immediately preceding this message.

ESNPN92E

POOL NAME "xxxxxxxxxxxxx" CONTAINS AN EMBEDDED BLANK, NOT SUPPORTED

Cause
The pool name specified is invalid. The name may only consist of 12 characters: A-Z, 0-9, (dash) and _(underscore). Embedded blanks are not allowed. Trailing blanks are allowed.

Action
Correct the pool name.

ESNPO00E

LOGPOOL SPECIFIED - xxxxxxxxxxxxx - DOES NOT EXIST

Cause
The logpool does not exist.
Either ensure that you are operating against the correct storage system, or specify a different name.

ESNPO10E

INDDNAME IS INVALID WHEN THE REMOTE PARAMETER IS SPECIFIED

Cause
INDDNAME cannot be specified when the REMOTE parameter is present.

Action
Remove the INDDNAME parameter or the REMOTE parameter.

ESNPO11E

SOURCE UNIT IS INVALID WHEN THE REMOTE PARAMETER IS SPECIFIED

Cause
SOURCE UNIT cannot be specified when the REMOTE parameter is present.

Action
Remove the SOURCE UNIT subparameter or the REMOTE parameter.

ESNPO12E

SOURCE VOLUME IS INVALID WHEN THE REMOTE PARAMETER IS SPECIFIED

Cause
SOURCE VOLUME cannot be specified when the REMOTE parameter is present.

Action
Remove the SOURCE VOLUME subparameter or the REMOTE parameter.

ESNPO13E

OUTDDNAME IS INVALID WHEN THE REMOTE PARAMETER IS SPECIFIED

Cause
OUTDDNAME cannot be specified when the REMOTE parameter is present.

Action
Remove the OUTDDNAME parameter or the REMOTE parameter.

ESNPO14E

TARGET UNIT IS INVALID WHEN THE REMOTE PARAMETER IS SPECIFIED
**ESNPO15E**

**Cause**
TARGET UNIT subparameter cannot be specified when the REMOTE parameter is present.

**Action**
Remove the TARGET UNIT subparameter or the REMOTE parameter.

**ESNPO16E**

**Cause**
TARGET VOLUME cannot be specified when the REMOTE parameter is present.

**Action**
Remove the TARGET VOLUME subparameter or the REMOTE parameter.

**ESNPO17E**

**Cause**
REMOTE UNIT, VOLUME or DDNAME is missing.

**Action**
Specify the REMOTE UNIT, VOLUME or DDNAME subparameters.

**ESNPO18I**

**Cause**
This message immediately follows ESNPO17E and identifies the two serial numbers.

**Action**
Refer to message ESNPO17E.
ESNPO19I

EXPECTED SERIAL NUMBER: nnnnnnnnnnn VERIFIED FOR DEVICE: uuuu

**Cause**
This message indicates that the CONTROLLER subparameter of the REMOTE parameter was specified and that the remote storage system serial number was verified.

**Action**
None

ESNPO20E

SPECIFIED REMOTE DDNAME *ddname* IS MISSING

**Cause**
REMOTE DDNAME was specified on the SNAP VOLUME command. The indicated DDNAME is not present in the JCL.

**Action**
Correct the REMOTE DDNAME clause, or add the appropriate DD statement to the JCL.

ESNPO21E

SPECIFIED REMOTE DDNAME *ddname* HAS CONCATENATED FILES

**Cause**
REMOTE DDNAME was specified on the SNAP VOLUME command. The indicated DDNAME was found to have concatenated files. This is not supported.

**Action**
Correct the DD statement in the JCL.

ESNPO30E

REMOTE DDNAME *xxxxxxxx* REFERS TO VOLUME *xxxxxx* NOT VOLUME *xxxxxx* IN THE REMOTE VOLUME PARAMETER

**Cause**
Both the REMOTE DDNAME and REMOTE VOLUME parameters were specified for a SNAP VOLUME command. They point to different devices.

**Action**
Correct or remove the invalid clause.
ESNPO31I

REMOTE DDNAME xxxxxxxxx WAS REQUESTED, FOUND USING VOLUME xxxxxxx

Cause
The REMOTE DDNAME volume has been found and identified.

Action
None.

ESNPO32E

REMOTE DDNAME xxxxxxxxx REFERENCES TO A PERMANENT DATA SET, MUST BE A VOLUME REFERENCE

Cause
REMOTE DDNAME was specified on a SNAP VOLUME command. The indicated DDNAME specified DSN=, not just VOL=SER=.

Action
Correct the REMOTE DDNAME DD statement in the JCL.

ESNPO40E

EMC SNAP API - REMOTE OPERATION IS NOT SUPPORTED

Cause
A remote operation was requested, but that operation is not supported remotely.

Action
Try the operation again without the remote settings.

ESNPO41E

EMC SNAP API - REMOTE OPERATION MUST BE A FULL DEVICE OPERATION

Cause
A remote operation was requested, but it is only supported for full device actions.

Action
Retry the operation on a full device, or retry the operation without the remote settings.

ESNPO42E

EMC SNAP API - LOG POOL REQUESTS REQUIRE 5X71 LEVEL MICROCODE
**Cause**
Log pool operations are only supported on storage systems running Enginuity 5x71.

**Action**
Either change to a storage system with the proper operating environment level or upgrade the operating environment in the storage system to a level supporting log pool requests.

**ESNPO43E**

EMC SNAP API - ERROR OBTAIN LOGPOOL SELLOCK

**Cause**
An error occurred while acquiring the PowerMax/VMAX log pool lock.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPO44E**

EMC SNAP API - XTAPF6AS AND XTAPF6SR MISMATCH

**Cause**
Parameter error while invoking the TimeFinder low-level API.

**Action**
Correct the parameters, making sure that XTAPF6AS and XTAPF6SR are correct.

**ESNPO45E**

EMC SNAP API - XTAPF6SR SET FOR DEVICE THAT IS NOT AN R2 DEVICE

**Cause**
Parameter error while invoking the SNAP low-level API.

**Action**
Change XTAPF6SR to correctly identify the device.

**ESNPO46E**

EMC SNAP API - XTAPF6SR SET, XTAPR1UC/SD/FC ARE EMPTY

**Cause**
Parameter error while invoking the TimeFinder low-level API.
Action
When XTAPF6SR is specified, XTAPR1UC, XTAPR2SD and XTAPR2FC must also be specified.

ESNPO47E

EMC SNAP API - ERROR SUSPENDING SNOW GROUP

Cause
The TimeFinder API encountered an error while suspending a SRDF/A (snow) group.

Action
Try the operation again. If the problem persists, review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPO48E

EMC SNAP API - ERROR RESUMING SNOW GROUP

Cause
The TimeFinder API encountered an error while resuming a SRDF/A (snow) group.

Action
Try the operation again. If the problem persists, review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPO49E

EMC SNAP API - WAIT 20 MINUTES FOR B/G COPY TO COMPLETE

Cause
An operation was being attempted that required all background copy activity to complete. After waiting for 20 minutes, the operation failed because the background copy activity had not completed.

Action
Try the operation again. If the problem persists, review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNPO50E
CONFIGPOOL NOT SUPPORTED ON CONTROLLERS RUNNING MICROCODE PRIOR TO 5X71

Cause
CONFIGPOOL request made against a storage system that is not running Enginuity 5x71 or a later level of the operating environment.

Action
Try the operation on a storage system that supports it or upgrade the operating environment.

ESNPO51E
CONFIGPOOL NO LONGER SUPPORTED IN EMCSNAP, YOU MUST USE THE GPM UTILITY

Cause
A CONFIGPOOL statement was encountered in the input stream. This statement has been removed from EMCSNAP and is available in the GPM utility.

Action
Run the request again, but use the GPM utility.

ESNPO60E
LOCAL DDNAME xxxxxxxxx REFERS TO VOLUME xxxxxxx NOT VOLUME xxxxxxx IN THE LOCAL VOLUME PARAMETER

Cause
Both the LOCAL DDNAME and LOCAL VOLUME parameters were specified for a SNAP VOLUME command. They point to different devices.

Action
Correct or remove the invalid clause.

ESNPO61I
LOCAL DDNAME xxxxxxxxx WAS REQUESTED, FOUND USING VOLUME xxxxxxx

Cause
The LOCAL DDNAME volume has been found and identified.

Action
None.
ESNPO62E

LOCAL DDNAME xxxxxxxxxx refers to a permanent data set, must be a volume reference

Cause
LOCAL DDNAME was specified on a SNAP VOLUME command. The indicated DDNAME specified DSN=, not just VOL=SER=.

Action
Correct the LOCAL DDNAME DD statement in the JCL.

ESNPO70E

SPECIFIED LOCAL DDNAME xxxxxxxxxx is missing

Cause
LOCAL DDNAME was specified on the SNAP VOLUME command. The indicated DDNAME is not present in the JCL.

Action
Correct the LOCAL DDNAME clause, or add the appropriate DD statement to the JCL.

ESNPO71E

SPECIFIED LOCAL DDNAME xxxxxxxxxx has concatenated files

Cause
LOCAL DDNAME was specified on the SNAP VOLUME command. The indicated DDNAME was found to have concatenated files. This is not supported.

Action
Correct the DD statement in the JCL.

ESNPO80E

INDDNAME is invalid when the SYMDV parameter is also specified

Cause
INDDNAME and SOURCE SYMDV are mutually exclusive.

Action
Remove one of the parameters and try the operation again.
ESNPO81E

SOURCE UNIT IS INVALID WHEN THE SYMDV PARAMETER IS ALSO SPECIFIED.

Cause
SOURCE UNIT and SOURCE SYMDV are mutually exclusive.

Action
Remove one of the parameters and try the operation again.

ESNPO82E

SOURCE VOLUME IS INVALID WHEN THE SYMDV PARAMETER IS ALSO SPECIFIED.

Cause
SOURCE VOLUME and SOURCE SYMDV are mutually exclusive.

Action
Remove one of the parameters and try the operation again.

ESNPO83E

OUTDDNAME IS INVALID WHEN THE SYMDV PARAMETER IS ALSO SPECIFIED.

Cause
OUTDDNAME and TARGET SYMDV are mutually exclusive.

Action
Remove one of the parameters and try the operation again.

ESNPO84E

TARGET UNIT IS INVALID WHEN THE SYMDV PARAMETER IS ALSO SPECIFIED.

Cause
TARGET UNIT and TARGET SYMDV are mutually exclusive.

Action
Remove one of the parameters and try the operation again.

ESNPO85E

TARGET VOLUME IS INVALID WHEN THE SYMDV PARAMETER IS ALSO SPECIFIED.

Cause
TARGET VOLUME and TARGET SYMDV are mutually exclusive.
Action
Remove one of the parameters and try the operation again.

ESNPO86E

SOURCE SYMDV REQUIRED, BUT MISSING

Cause
REMOTE or LOCAL parameter was specified and required both the SOURCE and TARGET parameters to specify the SYMDV# of the devices to be used.

Action
Specify the SYMDV# in the SOURCE parameter.

ESNPO87E

TARGET SYMDV REQUIRED, BUT MISSING

Cause
REMOTE or LOCAL parameter was specified and required both the SOURCE and TARGET parameters to specify the SYMDV# of the devices to be used.

Action
Specify the SYMDV# in the TARGET parameter.

ESNPO88E

UNABLE TO SNAP A TDEV DEVICE - xxxxxx S/N nnnnnnn-nnnnn/nnnn, REQUIRES MICROCODE LEVEL 5x73 OR HIGHER

Cause
The device specified is a TDEV device and may not be snapped.

Action
Choose another device.

ESNPO89E

UNABLE TO SNAP A DISKLESS DEVICE - xxxxxx S/N nnnnnnn-nnnnn/nnnn

Cause
The device specified is a diskless device and may not be snapped.

Action
Choose another device.
ESNPO90E

UNABLE TO SNAP A BCV THAT IS NOT READY - vvvvv S/N nnnnnnn-nnnnnnnnnn

Cause
The indicated device is a BCV that is not ready.

Action
Either ready the BCV, or change the request to use a ready device.

ESNPO91E

UNABLE TO SNAP AN INTERNAL LOG DEVICE - vvvvv S/N nnnnnnn-nnnnn/nnnn

Cause
The device specified in an internal log device.

Action
Choose another device.

ESNPO92E

UNABLE TO SNAP A TDEV DEVICE - vvvvv S/N nnnnnnn-nnnnn/nnnn

Cause
The device specified is a TDEV device and may not be snapped.

Action
Choose another device.

ESNPO93E

UNABLE TO SNAP A DDEV DEVICE - vvvvv S/N nnnnnnn-nnnnn/nnnn

Cause
The device specified is a TDEV data device and may not be snapped.

Action
Choose another device.

ESNPO94I

BOX nnnnnnn-nnnnn NOT SUPPORTED WITH MICROCODE xxxx, NEW HOST SOFTWARE NEEDED
Cause
The operating environment level installed in the storage system is not supported by this level of host software.

Action
Contact Dell EMC Customer Support for assistance.

ESNPO95E

UNABLE TO SNAP A DISKLESS DEVICE - xxxxx S/N nnnnnnn-nnnnnnnnnn

Cause
An attempt to snap a diskless device has failed.

Action
One of the following:
- New operating environment level may be required.
- New host software may be required.
- Contact Dell EMC Customer Support for assistance.

ESNPO96E

SELECTED TDEV IS NOT BOUND - vvvvvv (S/N xxxxxxx-xxxxx/xxxx)

Cause
A thin device was referenced. Until the device is bound to a pool of log devices, it cannot be used.

Action
Bind the thin device to a log pool and then rerun the action.

ESNPO97E

UNABLE TO SNAP AN FBA META DEVICE - vvvvvv (S/N xxxxxxx-xxxxx/xxxx)

Cause
An FBA meta device was referenced. EMCSNAP cannot be used with FBA meta devices.

Action
Choose another device.

ESNPO98E

UNABLE TO SNAP A SPACE EFFICIENT DEVICE - vvvvvv (S/N xxxxxxx-xxxxx/xxxx)

Cause
A space efficient device may not be the source of a snap volume.
Action
Choose another device.

ESNPO99E

DEVICE IS NOT DEFINED - vvvvvv (S/N xxxxxxx-xxxxx/xxxx)

Cause
The device specified is not a valid device in the storage system.

Action
Choose another device.

ESNPP00E

REMOTE TARGET VOLUME (vvvvvv nnnnnnn-nnnnn nnn) MICROCODE LEVEL MUST BE AT LEAST 5X71

Cause
A remote request specified a gateway and SRDF group that led to a remote storage system that does not have the operating environment level to support the request.

Action
Either:
- Correct either the gateway device or SRDF group to a more valid combination.
- Upgrade the operating environment in the remote storage system to support remote operations, at least Enginuity 5x71.

ESNPP01E

LOCAL TARGET VOLUME (vvvvvv) MICROCODE LEVEL MUST BE AT LEAST 5X71

Cause
A local request specified a gateway that led to a storage system that does not have the operating environment level to support the request.

Action
Either:
- Correct either the gateway device to a more valid combination.
- Upgrade the operating environment in the storage system to support these operations, at least Enginuity 5x71.

ESNPP02E

TARGET VOLUME REQUIRED, MISSING

Cause
A request is specified that requires a target volume, and it is missing.
Action
Add the target parameter to the request.

ESNPP03E

TARGET VOLUME (volser) IS IN USE BY SAR

Cause
A SNAP VOLUME has specified a target device that is in use by SAR.

Action
Either remove the device from SAR processing or use another device.

ESNPP10E

REMOTE VOLUME (xxxxxx S/N nnnnnnn-nnnnnnnnnnn) INVALID

Cause
The volume is not available.

Action
Either correct the volume identifier or make the volume available.

ESNPP11E

LOCAL VOLUME (xxxxxx S/N nnnnnnn-nnnnnnnnnnn) INVALID

Cause
The volume is not available.

Action
Either correct the volume identifier or make the volume available.

ESNPP12E

REMOTE VOLUME (xxxxxx S/N nnnnnnn-nnnnnnnnnnn/nnnn) CANNOT BE A VIRTUAL DEVICE

Cause
The gatekeeper specified is a virtual device.

Action
Change the gatekeeper device to a non-virtual device.

ESNPP13E

LOCAL VOLUME (xxxxxx S/N nnnnnnn-nnnnnnnnnnn/nnnn) CANNOT BE A VIRTUAL DEVICE
**Cause**
The gatekeeper specified is a virtual device.

**Action**
Change the gatekeeper device to a non-virtual device.

**ESNPP14E**

REMOTE VOLUME (xxxxxx S/N nnnnnnnn-nnnnn/nnnn) IS NOT AN EMC DEVICE

**Cause**
The gatekeeper specified is not a Dell EMC device.

**Action**
Change the gatekeeper device to indicate a Dell EMC device in the proper storage system.

**ESNPP15E**

LOCAL VOLUME (xxxxxx S/N nnnnnnnn-nnnnn/nnnn) IS NOT AN EMC DEVICE

**Cause**
The gatekeeper specified is not a Dell EMC device.

**Action**
Change the gatekeeper device to indicate a Dell EMC device in the proper storage system.

**ESNPP16E**

REMOTE VOLUME (xxxxxx S/N nnnnnnnn-nnnnnnnnnn) MICROCODE LEVEL MUST BE AT LEAST 5X71

**Cause**
A remote request specified a gateway and SRDF group that led to a remote storage system that does not have the operating environment level to support the request.

**Action**
Either correct either the gateway device or SRDF group to a more valid combination or upgrade the operating environment in the remote storage system to support remote operations, at least Enginuity 5x71.

**ESNPP17E**

LOCAL VOLUME (xxxxxx S/N nnnnnnnn-nnnnnnnnnn) MICROCODE LEVEL MUST BE AT LEAST 5X71

**Cause**
A remote request specified a gateway and SRDF group that led to a local storage system that does not have the operating environment level to support the request.
Action
Either correct either the gateway device or SRDF group to a more valid combination or upgrade the operating environment in the remote storage system to support remote operations, at least Enginuity 5x71.

**ESNPP20W**

*WARNING* DATASET dsname CONTENTS COPIED FROM SRDF/A SECONDARY DEVICE
or

*WARNING* VOLUME CONTENTS COPIED FROM SRDF/A SECONDARY DEVICE

Cause
The dataset or volume contents were snapped from an SRDF/A secondary device. If the contents were recently changed on the SRDF/A primary device, the changes may not yet have been propagated to the SRDF/A secondary device. It usually takes two SRDF/A cycles for the data to propagate and to be applied.

Action
None required, the dataset or volume may be just fine. This can be controlled by the SRDFA_R2_SYNC parameter. The parameter description in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide provides additional information.

**ESNPP30I**

<table>
<thead>
<tr>
<th>SESSION</th>
<th>TARGET</th>
<th>TRACKCNT</th>
<th>PROT-TRK</th>
<th>PRECOPY#</th>
<th>DIFF-CNT</th>
<th>DIFF-SRC</th>
<th>DIFF-TGT</th>
<th>BGCOPY</th>
</tr>
</thead>
</table>

Cause
A QUERY VOLUME command has been issued requesting detailed information.

This message displays the headings for the detailed display generated by a QUERY VOLUME command. (ESNPP31I includes the data for each of the headings in ESNPP30I).

The meaning of the headings are as follows:

<table>
<thead>
<tr>
<th>Value</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>SESSION</td>
<td>The session identifier.</td>
</tr>
<tr>
<td>TARGET</td>
<td>The volume identifier.</td>
</tr>
<tr>
<td>TRACKCNT</td>
<td>The track count.</td>
</tr>
<tr>
<td>PROT-TRK</td>
<td>Count of tracks that are still protected on the source device.</td>
</tr>
<tr>
<td>Value</td>
<td>Meaning</td>
</tr>
<tr>
<td>--------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>Value</strong></td>
<td><strong>Meaning</strong></td>
</tr>
<tr>
<td><strong>Note</strong></td>
<td>This number should always match IND-TRK (the indirect track count). When all of the tracks have been copied, both PROT-TRK and the indirect track count (IND-TRK) should be zero.</td>
</tr>
<tr>
<td><strong>Note</strong></td>
<td>This field is only displayed when using the DIFFerential keyword with the SESSION_LIST parameter.</td>
</tr>
<tr>
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</tr>
<tr>
<td><strong>Note</strong></td>
<td>This number should always match IND-TRK (the indirect track count).</td>
</tr>
<tr>
<td><strong>Note</strong></td>
<td>If ACT and ACT/1ST are missing from the report, PRECOPY is not active on the device for that session.</td>
</tr>
</tbody>
</table>

| PRECOPY#     | Number of precopy tracks left to be copied.                                                                                           |
| DIFF-CNT     | The total number of tracks changed on the source and target.                                                                          |
| DIFF-SRC     | The total number of tracks changed on the source.                                                                                     |
| DIFF-TGT     | The total number of tracks changed on the target.                                                                                     |
| #PRECOPY     | Number of tracks that were copied during a precopy phase; that is, the time between the establish (presnap) and activate.            |
| ACT          | Indicates that PRECOPY is active and has not completed a whole pass of the source volume.                                           |
### Value

<table>
<thead>
<tr>
<th>Value</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACT/1ST</td>
<td>Indicates that PRECOPY is active and has completed a whole pass of the source volume.</td>
</tr>
</tbody>
</table>

**Note**

If ACT and ACT/1ST are missing from the report, PRECOPY is not active on the device for that session.

| BGCOPY | f set to YES, indicates that a background copy is expected to occur. If set to NO, indicates that a background copy is not expected to occur. |

### Action

None.

### ESNPP31I

**QUERY VOLUME device data:**

```
XXXX XXXXXXXX(XXXX) XXXXXXXX XXXXXXXX XXXXXXXX XXXXXXXX
```

**Cause**

This message displays detailed information about a device specified in a QUERY VOLUME command. This message is always written after ESNPP30I, the headers for this data.

**Action**

None.

### ESNPP32I

```nnnnn DEVICES LISTED```

**Cause**

The indicated number of devices were listed in the QUERY VOLUME request.

**Action**

None.

### ESNPP33I

```nnnnn DEVICES SKIPPED, explanation```

**Cause**

The indicated number of devices were not listed, according to the reason specified. The table below explains the explanation text that you may receive.
<table>
<thead>
<tr>
<th>Explanation</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>OUT OF CCUU RANGE</td>
<td>The UNIT parameter was used to restrict the list of devices. This number of devices were outside of the range value.</td>
</tr>
<tr>
<td>OUT OF DEVICE RANGE</td>
<td>The RANGE parameter was used to restrict the list of devices. This number of devices were outside of the range value.</td>
</tr>
<tr>
<td>CKD EXCLUDED</td>
<td>CKD (EXCLUDE) was specified. This number of devices were CKD devices and not listed.</td>
</tr>
<tr>
<td>FBA EXCLUDED</td>
<td>FBA (EXCLUDE) was specified. This number of devices were FBA devices and not listed.</td>
</tr>
<tr>
<td>READY EXCLUDED</td>
<td>READY (EXCLUDE) was specified. This number of device were READY devices and not listed.</td>
</tr>
<tr>
<td>NOTREADY EXCLUDED</td>
<td>NOTREADY (EXCLUDE) was specified. This number of device were not READY devices and not listed.</td>
</tr>
<tr>
<td>SNAPPOOL EXCLUDED</td>
<td>SNAPPOOL (EXCLUDE) was specified. This number of device were SNAPPOOL devices and not listed.</td>
</tr>
<tr>
<td>VDEV EXCLUDED</td>
<td>VDEV (EXCLUDE) was specified. This number of device were VDEV devices and not listed.</td>
</tr>
<tr>
<td>OUT OF SIZE RANGE</td>
<td>The SIZE parameter was used to restrict the list of devices. This number of devices were outside of the size value.</td>
</tr>
<tr>
<td>RAID(NONE) EXCLUDED</td>
<td>RAID(ALL) or RAID(NONE) was not specified. This number of RAID/NA devices were not listed.</td>
</tr>
<tr>
<td>RAID(RAIDS) EXCLUDED</td>
<td>RAID(ALL) or RAID(RAIDS) was not specified. This number of RAID S devices were not listed.</td>
</tr>
<tr>
<td>RAID(RAID1) EXCLUDED</td>
<td>RAID(ALL) or RAID(RAID1) was not specified. This number of RAID 1 devices were not listed.</td>
</tr>
<tr>
<td>RAID(raid5) EXCLUDED</td>
<td>RAID(ALL) or RAID(raid5) was not specified. This number of RAID 5 devices were not listed.</td>
</tr>
<tr>
<td>RAID(raid10) EXCLUDED</td>
<td>RAID(ALL) or RAID(raid1/0) was not specified. This number of RAID 1/0 devices were not listed.</td>
</tr>
</tbody>
</table>

**Action**
None.
ESNPP34I

TOTALS: nnnnnnnn TRACKS PROTECTED, AND nnnnnnnn TRACKS INDIRECT

Cause
In the preceding list of devices, this message summarizes the total number of protected and indirect tracks.

Action
None.

ESNPP35I

TOTALS: nnnnnnnn DIFFERENTIAL TRACKS PENDING

Cause
In the preceding list of devices, this message summarizes the total number of differential tracks pending.

Action
None

ESNPP36I

Query volume extended device data

Cause
This message is the extended query information about a device, including the following:

- Remote device type (R1, R11, R21, R2, R22 or blank)
- Parallel Clone status (PC or blank)
- Inhibit Outboard Copy status (IOC or blank)
- Hold status (HOLD or blank)
- PPRC/XRC status (PPRC or XRC)
- ECA status (ECA)
- Meta Settings (META-HEAD or META-MBR)

For each mirror position, the following information is available:

- Configuration status: NCNFG if not configured; R1, R2 or LCL if mirror is configured.
- SRDF information: for remote mirrors, Sync or Async indicator (-S or -A), Adaptive Copy indicator (-ADCOPY and /WPO, /DISK or /WP). RAGROUP value (RAG=(xx)).
- Ready status (RDY or NRDY)
- Read/write status (R/W or R-ONLY)
The message also reports the SET_LINK_TARGET_HOLD status on the second line in the TARGET HOLD field. If a hold exists, the TARGET HOLD field has the value of YES. N/A in the TARGET HOLD field indicates an unlinked snapshot.

**Action**
None.

**ESNPP40I**

API DEFINE REQUEST PROCESSED

**Cause**
A DEFINE statement was encountered by the API interface.

**Action**
None.

**ESNPP50E**

SPECIFIED SOURCE_VOLUME_LIST NAME listname HAS NOT BEEN DEFINED

**Cause**
The parameter SOURCE_VOLUME_LIST specifies a name that has not been defined.

**Action**
Either correct the name to match one that has been defined or add a DEFINE SOURCE_VOLUME_LIST with the appropriate name to this input stream, prior to this request.

**ESNPP51E**

SPECIFIED SOURCE_VOLUME_LIST srcvollistname HAS NO VOLUMES DEFINED

**Cause**
A SOURCE_VOLUME_LIST was referenced on a SNAP DATASET or QUERY DATASET request. The referenced SOURCE_VOLUME_LIST is defined, but does not have any volumes defined.

**Action**
Either add appropriate volumes to the SOURCE_VOLUME_LIST or correct the SOURCE_VOLUME_LIST name to reference one with volumes defined.

**ESNPP60E**

UNIT FIELD MIXUP, UNEQUAL NUMBER OF LOW AND HIGH VALUES - LOW COUNT= nn HIGH COUNT= nn

**Cause**
The UNIT parameter of the DEFINE SOURCE_VOLUME_LIST has an uneven number of subparameters specified.
Action
Correct the UNIT parameter.

ESNPP70I
WAITING FOR ACCESS TO DEVICE sssssssssss/dddd

Cause
A request for a VDEV requires exclusive control over the device (from other EMCSNAP activities). An ENQUEUE was issued to obtain exclusive control and found that another EMCSNAP activity was already in progress. This task will wait until the other EMCSNAP activity using the device completed.

Action
None.

ESNPP71E
ERROR OCCURRED ISSUING ENQ FOR VDEV sssssssssss/ddd ENQ RC: nnnn

Cause
An ENQUEUE was issued to obtain exclusive control over the requested VDEV. The ENQ encountered an error.

Action
Try the operation again. If the problem persists, review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPP80E
CLUSTER dsname SELECTED, BUT NO COMPONENTS WERE FOUND

Cause
The VSAM cluster was selected for processing, but no components were found on the volumes in the SOURCE_VOLUME_LIST.

Action
Either correct the cluster name or correct the list of volumes to be scanned to include the volumes containing the cluster components.

ESNPP81E
KSDS dsname SELECTED, BUT REQUIRED DATA COMPONENT NOT FOUND
**Cause**
The VSAM KSDS was selected for processing, but the data component was not found on a volume in the SOURCE_VOLUME_LIST.

**Action**
Correct the list of volumes in the SOURCE_VOLUME_LIST to include the volumes containing the data component for this KSDS.

---

**ESNPP82E**

KSDS dsname SELECTED, BUT REQUIRED INDEX COMPONENT NOT FOUND

**Cause**
The VSAM KSDS was selected for processing, but the index component was not found on a volume in the SOURCE_VOLUME_LIST.

**Action**
Correct the list of volumes in the SOURCE_VOLUME_LIST to include the volumes containing the index component for this KSDS.

---

**ESNPP83E**

CLUSTER dsname SELECTED, BUT REQUIRED DATA COMPONENT NOT FOUND

**Cause**
The VSAM cluster was selected for processing, but the data component was not found on a volume in the SOURCE_VOLUME_LIST.

**Action**
Correct the list of volumes in the SOURCE_VOLUME_LIST to include the volumes containing the data component for this cluster.

---

**ESNPP84E**

LAST VOLUME (DS1IND80) NOT FOUND FOR dsname

**Cause**
The dataset was found on one or more volumes, but none of the found pieces has the last volume indicator (DS1IND80) set. The assumption is that not all volumes are present.

- If all volumes are present, z/OS failed to set the DS1IND80 on the last volumes. In this situation, the dataset cannot be snapped until the DS1IND80 indicator is set.
- If not all volumes are present, correct the list of volumes in the SOURCE_VOLUME_LIST to include the missing volumes.

**Action**
None.
ESNPP85E

VOLUME nnnn MISSING FOR DATASET dsname

Cause
One or more volumes containing this dataset were found, but the volume sequence has gaps, indicating that some volumes are missing.

Action
Correct the list of volumes in the SOURCE_VOLUME_LIST to include the missing volumes.

ESNPP86E

FIRST VOLUME NOT FOUND FOR dsname

Cause
One or more volumes containing this dataset were found, but the first volume is missing.

Action
Correct the list of volumes in the SOURCE_VOLUME_LIST to include the missing volumes.

ESNPP87E

VOLUME nnnn MISSING FOR DATASET dsname

Cause
One or more volumes containing this dataset were found, but the volume sequence has gaps, indicating that some volumes are missing.

Action
Correct the list of volumes in the SOURCE_VOLUME_LIST to include the missing volumes.

ESNPP88E

NO DATASETS FOUND MATCHING SOURCE MASK: dsnmask

Cause
After scanning all volumes provided in the SOURCE_VOLUME_LIST, no datasets were found that match the requested SOURCE dataset name mask.

Action
Either correct the SOURCE dataset name mask or correct the list of volumes in the SOURCE_VOLUME_LIST to include the volumes containing the desired datasets.
ESNPP89I

DATASET: dsname FOUND ON VOLUME: volser

Cause
While processing a SNAP DATASET request with the SOURCE_VOLUME parameter, the identified dataset was found on the indicated volume.

Action
None.

ESNPP90E

SPECIFIED SOURCE_VOLUME_LIST listname WAS NOT FOUND

Cause
The parameter SOURCE_VOLUME_LIST specifies a name that has not been defined.

Action
Either correct the name to match one that has been defined and add a DEFINE SOURCE_VOLUME_LIST with the appropriate name to this input stream, prior to this request.

ESNPP91E

SPECIFIED SOURCE_VOLUME_LIST listname HAS NO VOLUMES DEFINED

Cause
The SOURCE_VOLUME_LIST has been defined with no volumes.

Action
Ensure that at least one volume is identified that can be scanned. If the VOLUME parameter was used in the DEFINE SOURCE_VOLUME_LIST command, ensure that volumes with matching volser are available online. If the desired volumes are offline, switch to using the UNIT parameter.

ESNPQ00E

INTERNAL EXTENT TABLE SIZE EXCEEDED, NEEDED: nnnnn AVAILABLE: nnnnn

Cause
Too many dataset extents are present in a single request. The internal table cannot handle the entire quantity.

Action
Break up the single request into multiple requests. This may involve changing the wildcarding for the source dataset name to restrict it to a smaller group of datasets.
**ESNPQ01E**

*THE COPY CANNOT OCCUR, REASON = nnn*

**Cause**
This request requires a data mover to complete, but the devices involved have been specified using the internal device numbers (SYMDV#). Host addressable device addresses must be specified for a data mover.

**Action**
Change the request to use either volser or ccuu specification and submit again.

**More Information**

<table>
<thead>
<tr>
<th>Reason code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SRDF/A R1 Physical copy required.</td>
</tr>
<tr>
<td>2</td>
<td>SRDF/A R1 Data mover copy required.</td>
</tr>
<tr>
<td>3</td>
<td>SRDF/S R1 Physical copy required.</td>
</tr>
<tr>
<td>4</td>
<td>SRDF/S R1 Data mover copy required.</td>
</tr>
<tr>
<td>5</td>
<td>Source and target in different storage systems, datamover required.</td>
</tr>
<tr>
<td>6</td>
<td>Data migration in progress, datamover required.</td>
</tr>
<tr>
<td>7</td>
<td>Source is a VM minidisk, datamover required.</td>
</tr>
<tr>
<td>8</td>
<td>Target is a VM minidisk, datamover required.</td>
</tr>
<tr>
<td>9</td>
<td>Target is a XRC source device, datamover required.</td>
</tr>
<tr>
<td>10</td>
<td>Target is a concurrent copy source device, datamover required.</td>
</tr>
<tr>
<td>11</td>
<td>Source is a Dell EMC device.</td>
</tr>
<tr>
<td>12</td>
<td>Source and target are in non-Dell EMC storage system with Snapshot available. Snapshot will be used.</td>
</tr>
<tr>
<td>13</td>
<td>Source and target are in non-Dell EMC storage system with FlashCopy available. FlashCopy will be used.</td>
</tr>
<tr>
<td>14</td>
<td>Source and target are in non-Dell EMC storage system with FlashCopy 2 available. FlashCopy 2 will be used.</td>
</tr>
<tr>
<td>15</td>
<td>Source and target are in Dell EMC storage system with Dell EMC Native FlashCopy available. Dell EMC Native FlashCopy will be used.</td>
</tr>
<tr>
<td>16</td>
<td>Source or target device is a virtual device, datamover required.</td>
</tr>
<tr>
<td>Reason code</td>
<td>Description</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------</td>
</tr>
<tr>
<td>17</td>
<td>Source or target device is a virtual device that has not been established. The virtual device must be established before it can be used.</td>
</tr>
<tr>
<td>18</td>
<td>STOP SNAP to a virtual device. Not allowed.</td>
</tr>
<tr>
<td>19</td>
<td>Dell EMC device with FlashCopy active on the device, FlashCopy will be used.</td>
</tr>
<tr>
<td>20</td>
<td>Device with FlashCopy 2 active on the device, FlashCopy 2 will be used.</td>
</tr>
<tr>
<td>21</td>
<td>Dell EMC device with native snap/clone active on the device, native snap/clone will be used.</td>
</tr>
<tr>
<td>22</td>
<td>Dell EMC device with no current activity, FlashCopy is requested and will be used.</td>
</tr>
<tr>
<td>23</td>
<td>Device with no current activity, FlashCopy 2 is requested and will be used.</td>
</tr>
<tr>
<td>24</td>
<td>Device with no current activity, native snap/clone will be used.</td>
</tr>
<tr>
<td>25</td>
<td>Operating environment level supports native snap/clone.</td>
</tr>
<tr>
<td>26</td>
<td>Operating environment level 5x65 or earlier, source not a STD device, internal EMCCOPY will be used.</td>
</tr>
<tr>
<td>27</td>
<td>Operating environment level 5x65 or earlier, target is not a BCV device, internal EMCCOPY will be used.</td>
</tr>
<tr>
<td>28</td>
<td>Operating environment level 5x65 or earlier, source is a STD device, target is a BCV device. Native snap will be used.</td>
</tr>
<tr>
<td>29</td>
<td>Source is a thin device, datamover required.</td>
</tr>
<tr>
<td>30</td>
<td>Target is a thin device, datamover required.</td>
</tr>
<tr>
<td>31</td>
<td>SAR is using a device, datamover required.</td>
</tr>
<tr>
<td>245</td>
<td>Internal extent table too small.</td>
</tr>
<tr>
<td>246</td>
<td>End of target extents.</td>
</tr>
<tr>
<td>247</td>
<td>Source dataset processing complete.</td>
</tr>
<tr>
<td>248</td>
<td>End of source extents.</td>
</tr>
<tr>
<td>249</td>
<td>No target extents.</td>
</tr>
<tr>
<td>250</td>
<td>No source extents.</td>
</tr>
<tr>
<td>251</td>
<td>Logical copy required.</td>
</tr>
<tr>
<td>252</td>
<td>Target volume bad.</td>
</tr>
<tr>
<td>253</td>
<td>Source volume bad.</td>
</tr>
<tr>
<td>Reason code</td>
<td>Description</td>
</tr>
<tr>
<td>-------------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>254</td>
<td>Not a real dataset/volume.</td>
</tr>
<tr>
<td>255</td>
<td>Allocation failed.</td>
</tr>
</tbody>
</table>

**ESNPQ02E**

A DATAMOVER IS REQUIRED TO COPY THIS DATA, BUT A DATAMOVER REQUIRES ADDRESSABLE DEVICES.

**Cause**
This message is a continuation of message ESNPQ01E.

**Action**
See ESNPQ01E.

**ESNPQ03E**

A UNBOUND VIRTUAL DEVICE IS REFERENCED WITHOUT THE VDEV KEYWORD

**Cause**
A virtual device was referenced without specifying the VDEV keyword.

**Action**
Typically, the TARGET parameter was used to specify a virtual device. A virtual device must be referenced with the VDEV parameter. Change the TARGET to VDEV and retry the operation.

**ESNPQ04E**

DATAMOVER REQUIRED WHEN DEVICE HAS ACTIVE XRC SESSION

**Cause**
A device has an active XRC session. The operating environment cannot be used with XRC devices. A datamover must be specified to copy the data.

**Action**
Rerun the request and specify a datamover name.

**ESNPQ05I**

SOURCE DEVICE NOT RDF DEVICE, PARALLEL CLONE IGNORED

**Cause**
PARALLEL CLONE require both the source and target device to be SRDF/S R1 devices in the same storage system, with the corresponding R2 devices together in another storage system.
Action
Choose one of the following two actions:

- Correct the source device to refer to a SRDF/S R1 device.
- No action required.

**ESNPQ06I**

TARGET DEVICE NOT RDF DEVICE, PARALLEL CLONE IGNORED

**Cause**
PARALLEL CLONE require both the source and target device to be SRDF/S R1 devices in the same storage system, with the corresponding R2 devices together in another storage system.

**Action**
Choose one of the following two actions:

- Correct the target device to refer to a SRDF/S R1 device.
- No action required.

**ESNPQ07I**

SOURCE AND TARGET ARE RDF DEVICES, BUT NOT AVAILABLE FOR PARALLEL CLONE

**Cause**
PARALLEL CLONE require both the source and target device to be SRDF/S R1 devices in the same storage system, with the corresponding R2 devices together in another storage system.

**Action**
Choose one of the following two actions:

- Correct the source and target device to refer to a SRDF/S R1 device.
- No action required.

**ESNPQ08I**

TARGET R1 DEVICE, NOCOPY NOT ALLOWED- vvvvvv (S/N xxxxxxx-xxxxx/xxxx)

**Cause**
MODE(NOCOPY) or MODE(NOCOPYRD) was specified and the statement targets a SRDF R1 device. NOCOPY prevents the data from being physically copied to the R1 device, and thus the R2 device.

**Action**
No action required. MODE(NOCOPY) or MODE(NOCOPYRD) will be ignored in this situation.
ESNPQ09E

VIRTUAL DEVICE CANNOT BE USED WITH XRC DEVICE

Cause
A device has an active XRC session. The operating environment cannot be used with XRC devices.

Action
Choose another device.

ESNPQ10W

CONTROLLER MICROCODE WILL BE USED TO COPY DATA TO A SRDF/A R1 DEVICE

Cause
This is a warning that the operating environment will be used to copy data to a SRDF/A R1 device. This may be a consideration since the actual track copy will occur in the background and may not be reflected on the SRDF/A R2 device for several cycles.

Action
Any of the following:

- If this is suitable, no action is required.
- If this is not suitable, choose another type of target device.
- Refer to the SRDFA_R1_TARGET parameter for additional choices, including using a physical copy instead of the operating environment.

ESNPQ11E

CONTROLLER MICROCODE MAY NOT BE USED TO COPY DATA TO A SRDF/A R1 DEVICE

Cause
The parameter SRDFA_R1_TARGET(NO) has been specified, restricting SRDF/A R1 devices from being the target of a TimeFinder action.

Action
Either choose another type or target device, or refer to the SRDFA_R1_TARGET parameter for additional choices, including using a physical copy instead of the operating environment.

ESNPQ12W

CONTROLLER MICROCODE WILL BE USED TO COPY DATA TO A SRDF/S R1 DEVICE
Cause
This is a warning that the operating environment will be used to copy data to a SRDF/S R1 device. This may be a consideration since the actual track copy will occur in the background and may not be reflected on the SRDF/S R2 device for some period of time.

Action
Any of the following:
- If this is suitable, no action is required.
- If this is not desirable, choose another type of target device.
- Refer to the SRDFS_R1_TARGET parameter for additional choices, including using a physical copy instead of the operating environment.

ESNPQ13E

CONTROL MICROCODE MAY NOT BE USED TO COPY DATA TO A SRDF/S R1 DEVICE

Cause
The parameter SRDFS_R1_TARGET(NO) has been specified, restricting SRDF/S R1 devices from being the target of a TimeFinder action.

Action
Either choose another type or target device or refer to the SRDFS_R1_TARGET parameter for additional choices, including using a physical copy instead of the operating environment.

ESNPQ14I

CONTROL MICROCODE WILL BE USED TO COPY DATA TO A SRDF/A R1 DEVICE

Cause
This is a notice that the operating environment will be used to copy data to a SRDF/A R1 device. This may be a consideration since the actual track copy will occur in the background and may not be reflected on the SRDF/A R2 device for several cycles.

Action
Any of the following:
- If this is suitable, no action is required.
- If this is not desirable, choose another type of target device.
- Refer to the SRDFA_R1_TARGET parameter for additional choices, including using a physical copy instead of the operating environment.

ESNPQ15I

CONTROL MICROCODE WILL BE USED TO COPY DATA TO A SRDF/S R1 DEVICE

Cause
This is a notice that the operating environment will be used to copy data to a SRDF/S R1 device. This may be a consideration since the actual track copy will occur in the
background and may not be reflected on the SRDF/S R2 device for some period of time.

**Action**
Any of the following:
- If this is suitable, no action is required.
- If this is not desirable, choose another type of target device.
- The description of the SRDFS_R1_TARGET parameter in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide discusses additional choices.

**ESNPQ16I**

**CAUSE**

**ESNPQ17I**

**ACTION**

**ESNPQ20I**

**DATASET** dsname **SELECTED DUE TO LOGINDYNAM/SELECTMULTI PROCESSING**

**CAUSE**

The LOGINDYNAM parameter was specified with a list of volumes. The indicated dataset was selected for processing because it is contained on one (or more) of the volumes.

**ACTION**

None.

**ESNPQ21I**

**DATASET** dsname **BYPASSED DUE TO LOGINDYNAM/SELECTMULTI PROCESSING**
**Cause**
The LOGINDYNUM parameter was specified with a list of volumes. The indicated dataset was not selected for processing because it does not meet the SELECTMULTI criteria for dataset selection.

**Action**
Either this is an informational message and it may be the desired outcome that this dataset is not selected for processing, or if the dataset was intended to be selected for processing, refer to the LOGINDYNUM list of volumes and the SELECTMULTI parameter for processing options.

**ESNPQ30E**

**SOURCE UNIT RANGE IS INVALID, LOW VALUE \( nn \) IS GREATER THAN HIGH VALUE \( nn \)**

**Cause**
The SOURCE UNIT was specified as a range, and the low value is greater than the high value.

**Action**
Correct the SOURCE UNIT parameter.

**ESNPQ31E**

**SOURCE UNIT RANGE IS INVALID, TOO MANY DEVICES IN RANGE, MUST LIMIT TO 256**

**Cause**
The SOURCE UNIT was specified as a range, and more than 256 devices are in the range.

**Action**
Break the statement into multiple statements, each limited to 256 devices.

**ESNPQ32E**

**TARGET UNIT RANGE IS INVALID, LOW VALUE \( nn \) IS GREATER THAN HIGH VALUE \( nn \)**

**Cause**
The TARGET UNIT was specified as a range, and the low value is greater than the high value.

**Action**
Correct the TARGET UNIT parameter.
ESNPQ33E
TARGET UNIT RANGE IS INVALID, TOO MANY DEVICES IN RANGE, MUST LIMIT TO 256

Cause
The TARGET UNIT was specified as a range, and more than 256 devices are in the range.

Action
Break the statement into multiple statements, each limited to 256 devices.

ESNPQ34E
SOURCE AND TARGET UNIT RANGE MUST COVER THE SAME NUMBER OF DEVICES,
SOURCE: nn TARGET: nn

Cause
Both the SOURCE UNIT and TARGET UNIT were specified. One or both specified a range of devices, but not the same number of devices.

Action
Correct the SOURCE UNIT and TARGET UNIT to indicate the same number of devices.

ESNPQ40E
SOURCE SYMDV# RANGE IS INVALID, LOW VALUE nn IS GREATER THAN HIGH VALUE nn

Cause
The SOURCE SYMDV# was specified as a range, and the low value is greater than the high value.

Action
Correct the SOURCE SYMDV# parameter.

ESNPQ41E
SOURCE SYMDV# RANGE IS INVALID, TOO MANY DEVICES IN RANGE, MUST LIMIT TO 256

Cause
The SOURCE SYMDV# was specified as a range, and more than 256 devices are in the range.

Action
Break the statement into multiple statements, each limited to 256 devices.
ESNPQ42E

TARGET SYMDV# RANGE IS INVALID, LOW VALUE nn IS GREATER THAN HIGH VALUE nn

Cause
The TARGET SYMDV# was specified as a range, and the low value is greater than the high value.

Action
Correct the TARGET SYMDV# parameter.

ESNPQ43E

TARGET SYMDV# RANGE IS INVALID, TOO MANY DEVICES IN RANGE, MUST LIMIT TO 256

Cause
The TARGET SYMDV# was specified as a range, and more than 256 devices are in the range.

Action
Break the statement into multiple statements, each limited to 256 devices.

ESNPQ44E

SOURCE AND TARGET SYMDV# RANGE MUST COVER THE SAME NUMBER OF DEVICES, SOURCE: nn TARGET: nn

Cause
Both the SOURCE SYMDV# and TARGET SYMDV# were specified. One or both specified a range of devices, but not the same number of devices.

Action
Correct the SOURCE SYMDV# and TARGET SYMDV# to indicate the same number of devices.

ESNPQ50E

UNIT RANGE MAY NOT BE INTERMIXED WITH VOLSER SPECIFICATIONS

Cause
UNIT (with a range) and volser were both specified together.

Action
Either:
- If UNIT range is desired, remove the VOLSER parameter.
- If UNIT range is not desired, remove the range from the UNIT parameter.

**ESNPQ51E**

UNIT RANGE MAY NOT BE INTERMIXED WITH NEWVOLID SPECIFICATIONS

**Cause**
UNIT (with a range) and NEWVOLID were both specified together.

**Action**
Either:

**ESNPQ52E**

GROUP DEFINITION MISSING "END GROUP" STATEMENT

**Cause**
A GROUP was being defined, and EOF was encountered. The GROUP is missing the “END GROUP” statement.

**Action**
Add an “END GROUP” statement and rerun the GROUP definition.

**ESNPQ53E**

SYMDV# HAS BEEN DISALLOWED FOR USE BY SITE ADMINISTRATOR

**Cause**
A request is made which uses the SYMDV# parameter. This parameter has been disallowed for use by the site administrator.

**Action**
Either change the SYMDV# to either UNIT or VOLUME or enable the use of SYMDV# in the site options table (EMCSNAPO).

**ESNPQ54E**

%INCLUDE ONLY ALLOWED IN A GROUP

**Cause**
An %INCLUDE statement has been encountered outside of a group definition. It is only allowed within a group definition.

**Action**
Build a new group with the %INCLUDE statement and then execute that group.
ESNPQ55I

AUTOMATIC_ACTIVATE ADDED TO REQUEST STREAM FOLLOWING STATEMENT #nnnnn

Cause
AUTOMATIC_ACTIVATE(YES) is specified and a series of SNAP VOLUME statement have been encountered. An ACTIVATE statement has been generated and added to the request stream following the indicated statement.

Action
None.

ESNPQ56I

THE FOLLOWING STATEMENT IS PROVIDED AS A SITE GLOBAL STATEMENT

Cause
A site REXX exit has supplied a default GLOBAL statement.

Action
None.

ESNPQ57I

SITE GLOBAL STATEMENT COMPLETE

Cause
This appears after a site REXX exit has supplied a default GLOBAL statement.

Action
None.

ESNPQ58I

SPECIAL LDMF INVOCATION

Cause
This appears in the EMCSNAP log file when the invoker is LDMF (z/OS Migrator).

Action
None.

ESNPQ60I

API QUERY GROUP REQUEST PROCESSED
**ESNPQ70I**

PROCESSING FOR STATEMENT #nn BEGINNING, QUERY GROUP REQUEST [FOR GROUP grpname]

**Cause**
Processing of the QUERY GROUP statement is beginning.

**Action**
None.

**ESNPQ71I**

PROCESSING FOR STATEMENT #nn COMPLETED, HIGHEST RETURN CODE ENCOUNTERED IS rc

**Cause**
Processing of the QUERY GROUP statement has completed.

**Action**
None.

**ESNPQ72W**

NO GROUPS FOUND

**Cause**
The QUERY GROUP statement identified a particular group to be listed. That group was not found.

**Action**
Correct the group name.

**ESNPQ73I**

GROUPNAME - STATUS - DESCRIPTION

**Cause**
This is a title line for a QUERY GROUP statement. The group name, status and description will be listed.

**Action**
None.
ESNPQ74E

ERROR VALIDATING GROUP - CODE = code

Cause
An error was encountered when validating a group name.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPQ75E

GROUP NOT FOUND, UNABLE TO LIST

Cause
The group was not found in the group dataset.

Action
Either ensure that the group does exist or ensure that the correct group dataset is being used.

ESNPQ80E

UNIT RANGE INVALID, LOW UNIT IS GREATER THAN HIGH UNIT - LOW: ccuu HIGH: ccuu

Cause
The SOURCE_VOLUME has a UNIT range specified that is improper. The low unit value is greater than the high unit value.

Action
Correct the UNIT range.

ESNPQ90I

PROCESSING FOR STATEMENT #nn BEGINNING, DEFINE GROUP grpname

Cause
Processing of the DEFINE GROUP statement is beginning.

Action
None.
ESNPQ91I

**PROCESSING FOR STATEMENT #nn COMPLETED, HIGHEST RETURN CODE ENCLOSED IS rc**

**Cause**
Processing of the DEFINE GROUP statement has completed.

**Action**
None.

ESNPQ92E

**GROUP grpname ALREADY EXISTS AND REPLACE(YES) NOT SPECIFIED**

**Cause**
The group being defined already exists and the REPLACE parameter was not used to allow replacement of an existing group.

**Action**
Either change the group name to a new name that does not exist or add the REPLACE(YES) parameter to allow the existing group definition to be replaced.

ESNPQ93E

**GROUP grpname STATUS PREVENTS IT FROM BEING REPLACED - status**

**Cause**
The group being defined already exists, and the status of the group prevents it from being replaced.

**Action**
This means that the existing group has been partially executed. Changing the group definition will affect the ability of the existing group devices to be processed correctly. The best activity that can be performed at this time is to run a series of statement against the group in order to ensure that the devices end up in an appropriate condition.

- Run SNAP VOLUME against the group with PRESNAP(YES) POSTSNAP(YES) in order to allow existing snaps to be completed.
- Run STOP SNAP TO VOLUME, CLEANUP VOLUME and CONFIG (READY(YES)RELEASE(YES)) against the group in order to completely reset the source and target devices to a usable condition.
- Rerun the DEFINE GROUP and specify the FORCE(YES) parameter. This will also reset the group status and may adversely affect the next series of requests run against the devices.
**ESNPQ94E**

**MEMBER mbrname FOUND, BUT IT IS NOT A VALID GROUP MEMBER**

**Cause**
The group being defined already exists in the group library, but it is not a valid group member.

**Action**
Either remove the member from the group library or change the group name to a member that does not exist in the group library.

---

**ESNPR00E**

**EMC SNAP API - SOURCE VOLUME SPECIFIED, NOT ALLOWED**

**Cause**
The underlying API has detected a request that includes a source volume specification, and it is not allowed.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

---

**ESNPR01E**

**EMC SNAP API - TARGET VOLUME SPECIFIED, NOT ALLOWED**

**Cause**
The underlying API has detected a request that includes a target volume specification, and it is not allowed.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

---

**ESNPR02E**

**EMC SNAP API - SESSION PENDING ACTIVATE NOT FOUND**

**Cause**
The underlying API has detected a request to ACTIVATE with PRESNAP(NO) but was unable to find a session on the device pair that was in the pending activate condition.
**ESNPR03E**

**EMC SNAP API - XTAPSFC1 MISSING, REQUIRED FOR XTAPF3DV**

**Cause**
The underlying API has detected that a required field (XTAPSFC1) is missing. If field XTAPF3DV is used, XTAPSFC1 must be supplied.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPR04E**

**EMC SNAP API - XTAPTFC1 MISSING, REQUIRED FOR XTAPF3DV**

**Cause**
The underlying API has detected that a required field (XTAPTFC1) is missing. If field XTAPF3DV is used, XTAPTFC1 must be supplied.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPR05E**

**EMC SNAP API - PERSISTENT RESTORE REQUIRED FOR MICROCODE LEVELS >= 5X72**

**Cause**
The underlying API has detected that the storage system is running Enginuity 5772 or a later level of the operating environment and standard VDEV restore is not supported.

**Action**
Persistent RESTORE is required for Enginuity 5772 and later levels of the operating environment.

**ESNPR06E**

**EMC SNAP API - TARGET HAS TF/CLONE EMULATION SESSION**
Cause
The underlying API has detected that the target device has an active TF/Clone emulation session. Full device SNAP VOLUME does not support targeting a device involved in TF/Clone Emulation.

Action
Use TF/Mirror to remove the TF/Clone Emulation session (DELINC).

ESNPR07E

EMC SNAP API - TARGET HAS FLASHCOPY SESSION

Cause
The underlying API has detected that the target device has an active FlashCopy session.

Action
Wait for the active FlashCopy to terminate, then reattempt the full device SNAP VOLUME.

ESNPR08E

EMC SNAP API - SOURCE IS AN ACTIVE CLONE EMULATION BCV

Cause
The source device is a member of a TF/Mirror, Clone Emulation session.

Action
Either choose another device or terminate the Clone Emulation session and try again.

ESNPR09E

EMC SNAP API - TARGET IS AN ACTIVE CLONE EMULATION BCV

Cause
The target device is a member of a TF/Mirror, Clone Emulation session.

Action
Either choose another device or terminate the Clone Emulation session and try again.

ESNPR10E

MULTIPLE VOLUME ## FOUND FOR DATASET dsname

Cause
While processing a SNAP DATASET with SOURCE_VOLUME specified, the dataset indicated was found on multiple volumes. Additionally, the volume VTOC indicates that the same relative volume sequence of the dataset resides on both volumes.
**ESNPR11I**

Message ESNPR11I immediately following this message, indicating the two volumes involved. In order to process this dataset, one of the volumes must be removed from the SOURCE_VOLUME list.

<table>
<thead>
<tr>
<th></th>
<th>VOLUME: vvvvvv</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>VOLUME: vvvvvv</td>
</tr>
</tbody>
</table>

**Cause**

This message identifies the two volumes for message ESNPR10E.

**Action**

Refer to the error message before this message in the log for processing directions.

**ESNPR12E**

OVERLAPPING RBA VALUES FOUND FOR DATASET dsname

**Cause**

While processing a SNAP DATASET with SOURCE_VOLUME specified, the dataset indicated was found on multiple volumes. Additionally, the volume VVDS indicates that the same relative RBA values of the dataset resides on multiple volumes.

**Action**

In order to process this dataset, one of the volumes must be removed from the SOURCE_VOLUME list and the request retried.

**ESNPR13I**

PROBABLE EXTRA VOLUMES WITH DATASET dsname SCANNED

**Cause**

This message follows ESNPR12E.

**Action**

Refer to message ESNPR12E.

**ESNPR20I**

grpname status - description

**Cause**

This message follows ESNPQ7I and identifies a group, along with the current status and description for the group.

**Action**

None.
ESNPR21I

LIST(HISTORY) REQUESTED, NONE FOUND

Cause
A QUERY GROUP is being processed which has the LIST(HISTORY) parameter specified. No history was found for this group.

Action
None.

ESNPR22I

HISTORY:  RC  DATE  /  TIME  OLD STAT  STATUS  LPAR

Cause
This is a title line put out because LIST(HISTORY) was specified for a QUERY GROUP.

Action
None.

ESNPR23I

message text

Cause
This is the detail history recorded for a group and follows ESNPR22I. By default, only the last 100 actions executed against the group will be retained and available for display.

Action
None.

ESNPR24I

LIST(STATEMENTS) REQUESTED, NONE FOUND

Cause
A QUERY GROUP is being processed which has the LIST(STATEMENTS) parameter specified. No statement were found for this group.

Action
None.
ESNPR25I

statements:

Cause
A QUERY GROUP is being processed which has the LIST(STATMENTS) parameter specified. The statements for this group will follow and are identified in message ESNPR26I.

Action
None.

ESNPR26I

+ statement

Cause
A QUERY GROUP is being processed which has the LIST(STATEMENTS) parameter specified. These are the statements.

Action
None.

ESNPR30I

API DELETE GROUP REQUEST PROCESSED

Cause
A DELETE GROUP command was encountered by the API interface.

Action
None.

ESNPR40I

PROCESSING FOR STATEMENT #nn BEGINNING, DELETE GROUP grpname

Cause
Processing of the DELETE GROUP command is beginning.

Action
None.
ESNPR41I

PROCESSING FOR STATEMENT #nn COMPLETED, HIGHEST RETURN CODE ENCOUNTERED IS  rc

Cause
Processing of the DELETE GROUP command has completed.

Action
None.

ESNPR42E

GROUP  grpname STATUS PREVENTS IT FROM BEING DELETED - status

Cause
The group being deleted was found, and the status of the group prevents it from being replaced.

Action
This means that the existing group has been partially executed. Deleting the group definition will affect the ability of the existing group devices to be processed correctly. The best activity that can be performed at this time is to run a series of statement against the group in order to ensure that the devices end up in an appropriate condition. Take any of the following steps:

- Run SNAP VOLUME against the group with PRESNAP(YES) POSTSNAP(YES) in order to allow existing snaps to be completed.
- Run STOP SNAP TO VOLUME, CLEANUP VOLUME and CONFIG (READY(YES)RELEASE(YES)) against the group in order to completely reset the source and target devices to a usable condition.
- Rerun the DELETE GROUP and specify the FORCE(YES) parameter. This may adversely affect the next series of requests run against the devices.

ESNPR43E

MEMBER  mbrname FOUND, BUT IT IS NOT A VALID GROUP MEMBER

Cause
The group identified member was found in the group library, but it is not a valid group member.

Action
Either manually remove the member from the group library or correct the group name.

ESNPR44E

UNABLE TO DELETE MEMBER  mbrname
Attempt to remove the member from the dataset failed. The STOW macro is used, and it failed.

Rerun the request with a DEBUG(ALL) statement and forward the output to the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

MEMBER mbrname SUCCESSFULLY DELETED

The DELETE GROUP request was successful.

None.

ERROR VALIDATING GROUP - CODE = code

An error was encountered when validating a group name.

Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

GROUP NOT FOUND, UNABLE TO DELETE

The group was not found in the group dataset.

Ensure that the group does exist and that the correct group dataset is being used.

ACTION TRANSLATED TO "CLEANUP"
Cause
The CLEANUP with GROUP included this statement from the group syntax. The original SNAP VOLUME statement has been translated to a CLEANUP statement for processing.

Action
None.

ESNPR51I

======> ACTION TRANSLATED TO "CONFIG"

Cause
The CONFIG with GROUP included this statement from the group syntax. The original SNAP VOLUME statement has been translated to a CONFIG statement for processing.

Action
None.

ESNPR52I

======> ACTION TRANSLATED TO “DESTROY”

Cause
The DESTROY with GROUP included this statement from the group syntax. The original SNAP VOLUME command has been translated to a DESTROY statement for processing.

Action
None.

ESNPR53I

======> ACTION TRANSLATED TO “STOP VOLUME”

Cause
The STOP VOLUME with GROUP included this statement from the group syntax. The original SNAP VOLUME command has been translated to a STOP VOLUME command for processing.

Action
None.

ESNPR54I

======> ACTION TRANSLATED TO “SNAP VOLUME”
Cause
The SNAP VOLUME with GROUP included this statement from the group syntax. The original SNAP VOLUME statement has been translated to a SNAP VOLUME statement for processing.

Action
None.

ESNPR55I

======> ACTION TRANSLATED TO "QUERY VOLUME"

Cause
The QUERY VOLUME with GROUP included this statement from the group syntax. The original SNAP VOLUME statement has been translated to a SNAP VOLUME statement for processing.

Action
None.

ESNPR59I

======> PARAMETER fieldname ASSUMED FROM GROUP INVOCATION

Cause
The identified parameter was specified on the original statement that included this group statement. The parameter has been added to this statement for processing.

Action
None.

ESNPR60E

GROUP groupname NOT FOUND, INCLUDE ABORTED

Cause
A statement with GROUP parameter specified a group that was not found in the group dataset.

Action
Correct the group name and rerun the request.

ESNPR61E

GROUP SUPPORT NOT AVAILABLE, NO GROUP LIBRARIES DEFINED

Cause
A statement with GROUP parameter specified a group. No group libraries have been defined.
Action
Provide a group library using any of the following:
- Site options table
- //EMCGROUP DD statement
- GLOBAL GROUP_DATASET_NAME parameter.

ESNPR62E

GROUP grpname IS REFERENCED IN THE SAME STEP WHERE IT IS ALSO DEFINED/DELETED

Cause
A group is being referenced in the same step where it is also defined or delete. This is a problem because a group reference is expanded at parse time, but the DEFINE GROUP or DELETE GROUP is performed at processing time. This means that the group reference will get the contents of the group at the beginning of the step, before the DEFINE GROUP or DELETE GROUP is processed.

Action
Separate the DEFINE GROUP or DELETE GROUP into a different jobstep. This will ensure that the desired group contents will be used by the group reference.

ESNPR70I

PROCESSING FOR STATEMENT #nn BEGINNING, GROUP PROCESSING

Cause
A statement with GROUP parameter was parsed. This is the beginning of the processing for this statement and the groups.

Action
None.

ESNPR71I

PROCESSING FOR STATEMENT #nn COMPLETED, HIGHEST RETURN CODE ENCOUNTERED IS rc

Cause
A statement with GROUP parameter was parsed. Processing of this statement has completed.

Action
None.

ESNPR72S

GROUP groupname NOT FOUND, EXECUTION ABORTED
Cause
A statement with GROUP parameter was parsed. At that time, the group was found in the group dataset. At this time, the group is being executed, and it is no longer found in the group dataset.

Action
Review the sequence of events, ensure that the group being executed was not deleted from the group dataset.

ESNPR73I

GROUP groupname STATUS CHECKED \(\text{(status)}\) AND FOUND TO BE APPROPRIATE FOR THIS ACTION

Cause
A statement with GROUP parameter was parsed. The current status of the group allows the group to be processed.

Action
None.

ESNPR74E

GROUP groupname STATUS CHECKED \(\text{(status)}\) AND FOUND TO BE INAPPROPRIATE FOR THIS ACTION

Cause
A statement with GROUP parameter was parsed. The current status of the group prevents the group to be processed.

Action
Check the device status of the group. The description of the GROUP commands in the Dell EMC Mainframe Enablers TimeFinder/Clone Mainframe Snap Facility Product Guide includes a table that shows group statuses.

ESNPR75E

ACTION TO PERFORM NOT RECOGNIZED: action

Cause
An action to be performed against a group is not recognized by the group manager.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
**ESNPR76E**

**Cause**
An existing group has a status value that is not recognized.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPR77I**

**Cause**
PREPARE_FOR_SNAP(YES) is specified and all action processing is bypassed.

**Action**
Run again without PREPARE_FOR_SNAP(YES) for processing to occur.

**ESNPR80S**

**Cause**
A CRC check of the group member contents failed.

**Action**
Delete the group, this may require manual removal of the group members from the group dataset. Then, define the group again. This may occur if the group member is edited or changed without using the DEFINE GROUP command.

**ESNPR90S**

**Cause**
A CRC check of the group member contents failed.

**Action**
Delete the group, this may require manual removal of the group members from the group dataset. Then, define the group again. This may occur if the group member is edited or changed without using the DEFINE GROUP command.
ESNPS00I

PROCESSING FOR STATEMENT #nn BEGINNING, END GROUP PROCESSING FOR GROUP groupname

Cause
Processing an END GROUP command is beginning. This will be updating the status for the group that just finished execution.

Action
None.

ESNPS01I

PROCESSING FOR STATEMENT #nn COMPLETED, HIGHEST RETURN CODE ENCOUNTERED IS rc

Cause
Processing of this statement has completed.

Action
None.

ESNPS10I

RESULTS OF EMCALLOC PASS #nn

Cause
When an allocation fails using extent allocation, certain statistics will be returned and printed to aid in determining why the allocation failed. There are multiple passes in extent allocation, and any pass with non-zero statistics will have that information printed.

Action
Refer to ESNPS11I for more information.

ESNPS11I

description - count

Cause
When an allocation fails using extent allocation, certain statistics will be returned and printed to aid in determining why the allocation failed. There are multiple passes in extent allocation, and any pass with non-zero statistics will have that information printed. The possible statistic descriptions include:

- DEVICES ALREADY USED
- DEVICES IN WRONG CONTROLLER
- DEVICES - LARGEST AREA NOT LARGE ENOUGH
DEVICES MISSING LDMF EXTENT DATABASE
DEVICES MISSING VTOCIX
DEVICES SUCCESSFULLY ALLOCATED
DEVICES WITH DATASET ALREADY PRESENT
DEVICES WITH NO PIECE LARGE ENOUGH
DEVICES WITH NOT ENOUGH TOTAL SPACE
DEVICES WITHOUT ENOUGH FORMAT 0 DSCBS
DEVICES WITHOUT ENOUGH VIRS IN VTOCIX
EAV DEVICES NOT ELIGIBLE (USEEAV=NO)

Action
None.

ESNPS20E

GROUP_DSNAME MUST BE SPECIFIED PRIOR TO THE FIRST SNAP STATEMENT

Cause
The GLOBAL command with GROUP_DSNAME was specified. It appears after the first executable snap statement.

Action
Move the GLOBAL command with GROUP_DSNAME so that it appears prior to the first executable snap statement.

ESNPS21E

ERROR WITH GROUP_DSNAME – dsname

Cause
Unable to valid the supplied group dataset name.

Action
Prior to this message, there will be an error message describing the problem. Refer to this message for how to proceed.

ESNPS30E

ERROR ALLOCATING GROUP WORKING DATASET dsname, RC: xxxx

Cause
A dynamic allocation occurred while allocating the group working dataset.

Action
Refer to the IBM dynamic allocation error codes.
ESNPS31E

ERROR OPENING FILE ddname, RC: xxxx

Cause
An error was encountered when opening the indicated file.

Action
Refer to the IBM open error codes.

ESNPS32E

ERROR CONCATENATING SITE GROUP DATASETS RC: xxxx

Cause
An error occurred using dynamic allocation to concatenate the site group dataset together.

Action
The IBM dynamic allocation error codes provide more information.

ESNPS33E

FILE xxxxxxxx NOT USABLE, MUST USE RECFM=F OR FB

Cause
The file(s) allocated to ddname xxxxxxxx are not all RECFM=F or FB.

Action
Only use files that have RECFM=F or FB.

ESNPS34E

FILE xxxxxxxx NOT USABLE, MUST USE LRECL=80

Cause
The files(s) allocated to ddname xxxxxxxx are not all LRECL=80.

Action
Only use files that have LRECL=80.

ESNPS40E

ABEND xxx OCCURRED, UNABLE TO STORE GROUP MEMBER - mbrname

Cause
While writing to the working group dataset, an abend occurred.
**ESNPS41E**

**RAN OUT OF DIRECTORY SPACE, UNABLE TO STORE GROUP MEMBER - name**

**Cause**
The group dataset has run out of directory space.

**Action**
Expand the group dataset and add additional directory blocks.

**ESNPS42E**

**I/O ERROR STORING GROUP MEMBER - mbrname, R15 = xxxxxxxx, R0 = xxxxxxxx**

**Cause**
An I/O error occurred while storing the group member.

**Action**
Determine the cause of the I/O error. Ensure that sufficient space has been allocated to the group dataset.

**ESNPS50I**

**UNABLE TO ALLOCATE DUMMY SYSIN/SYSPRINT FOR COMPRESS, RC=**

**Cause**
While attempting to compress a file, was unable to allocate a dummy SYSIN and SYSPRINT file.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPS51I**

**FILE ddname WAS COMPRESSED, RC= xxxxxxxx**

**Cause**
The file was compressed. The return code is the final return code from IEBCOPY.

**Action**
None.
ESNPS60E

GROUP_DSNAME IS NOT ALLOWED TO BE STORED IN A GROUP DEFINITION

Cause
A GLOBAL command with the GROUP_DSNAME parameter is embedded in the statements that are part of a group definition.

Action
Remove GROUP_DSNAME parameter.

ESNPS61E

TYPRUN IS NOT ALLOWED TO BE STORED IN A GROUP DEFINITION

Cause
A GLOBAL command with the TYPRUN parameter is embedded in the statements that are part of a group definition.

Action
Remove TYPRUN parameter.

ESNPS62E

PREPARE_FOR_SNAP IS NOT ALLOWED TO BE STORED IN A GROUP DEFINITION

Cause
The PREPARE_FOR_SNAP parameter was specified in a group definition.

Action
Remove the PREPARE_FOR_SNAP parameter.

ESNPS70E

NO DATASETS FOUND MATCHING SOURCE MASK:

Cause
A SNAP DATASET, QUERY DATASET, or STOP SNAP TO DATASET referenced a SOURCE_VOLUME_LIST and there were no datasets found on the volumes that matched the requested SOURCE DATASET parameter.

Action
Either correct the source dataset parameter to match the appropriate dataset or correct the SOURCE_VOLUME_LIST to identify the correct list of volumes.
ESNPS70W

NO DATASETS FOUND MATCHING SOURCE MASK: USE_SOURCE_VOLUME_LIST_FOR_LOGINDYNAM(YES) INEFFECTIVE WITH USE_SOURCE_VOLUME_LIST_FOR_SRCVOL(NO)

**Cause**
A SNAP DATASET, QUERY DATASET, or STOP SNAP TO DATASET referenced a SOURCE_VOLUME_LIST and there were no datasets found on the volumes that matched the requested SOURCE_DATASET parameter. An inappropriate set of parameters were specified. When specifying USE_SOURCE_VOLUME_LIST_FOR_SRCVOL(NO), this indicates that the SOURCE_VOLUME_LIST will not be used. On the other hand, specifying USE_SOURCE_VOLUME_LIST_FOR_LOGINDYNAM(YES) indicates that the SOURCE_VOLUME_LIST should be used.

**Action**
Either correct the source dataset parameter to match the appropriate dataset or correct the SOURCE_VOLUME_LIST to identify the correct list of volumes.

ESNPS80W

USE_SOURCE_VOLUME_LIST_FOR_LOGINDYNAM(YES) INEFFECTIVE WITH USE_SOURCE_VOLUME_LIST_FOR_SRCVOL(NO)

**Cause**
An inappropriate set of parameters were specified. When specifying USE_SOURCE_VOLUME_LIST_FOR_SRCVOL(NO), this indicates that the SOURCE_VOLUME_LIST will not be used. On the other hand, specifying USE_SOURCE_VOLUME_LIST_FOR_LOGINDYNAM(YES) indicates that the SOURCE_VOLUME_LIST should be used.

**Action**
Correct one of the two parameters so that the parameter values match.

ESNPS81E

DEVICE RANGE IMPROPER VALUE xxxx SHOULD BE GREATER THAN yyyy

**Cause**
The define range is improper. The end of the range must be a greater value than the end of the range.

**Action**
Correct the device range and submit again.
ESNPS82E

CCUU RANGE IMPROPER, VALUE xxxx SHOULD BE GREATER THAN yyyy

Cause
The CCUU range is improper. The end of the range must be a greater value than the start of the range.

Action
Correct the CCUU range and submit again.

ESNPS83E

LOCAL() and REMOTE() PARAMETERS CANNOT BE USED TOGETHER

Cause
A command statement was issued that included both LOCAL and REMOTE parameters. These two parameters cannot be used in the same command statement.

Action
Specify only one of these parameters in a command statement.

ESNPS84E

RAGROUP IS REQUIRED WITH THE REMOTE PARAMETER

Cause
The REMOTE parameter was specified, but the RAGROUP subparameter was missing.

Action
Specify the RAGROUP subparameter within the REMOTE parameter.

ESNPS90E

EMC SNAP API - DYNAMIC RESULT AREA NOT ALLOWED

Cause
Internal API request specified that a dynamic result area was to be used. The API does not support dynamic result area for this type of request.

Action
Supply the result area and remove the dynamic result area specification.
ESNPS91E

EMC SNAP API - DYNAMIC RESULT AREA - FIELDS XTAPXT#, XTAPXTNT@ AND XTAPXTNTL MUST BE ZERO

**Cause**
Internal API request specified that a dynamic result area was to be used. In order to use the dynamic result area, the fields XTAPXT#, XTAPXTNT@ and XTAPXTNTL must be zero.

**Action**
Either remove the dynamic result area specification or set the fields XTAPXT#, XTAPXTNT@ and XTAPXTNTL to zero.

ESNPS92E

EMC SNAP API - DEVICE RANGE NOT ALLOWED

**Cause**
Internal API request specified a device range. The API does not support a device range for this type of request.

**Action**
Remove the device range.

ESNPS93E

EMC SNAP API - DEVICE RANGE FIELDS XTAPRNG# AND XTAPRNG@ VALUES MISSING

**Cause**
Internal API request specified a device range. The fields XTAPRNG# and XTAPRNG@ must contain appropriate values for this request.

**Action**
Either remove the device range specification or correct the values for fields XTAPRNG# and XTAPRNG@.

ESNPS94E

EMC SNAP API - MORE RESULTS THAN ALLOWED, CHECK XTAPXT#

**Cause**
The number of results generated by the internal API exceeded the count requested in XTAPXT#.

**Action**
Increase the size of the result area and adjust the field XTAPXT# to reflect the change.
ESNPS95E

**EMC SNAP API - UNABLE TO RESTORE, VIRTUAL SESSION NOT FOUND**

**Cause**
A RESTORE VDEV was requested. But the VDEV does not appear to be active with a session.

**Action**
Either choose another VDEV device to be restored or recreate the VDEV desired.

ESNPS96E

**EMC SNAP API - ERROR DRAINING LOG POOL**

**Cause**
A syscall (xxxx.xx.xx) returned unexpected data during a call to drain or undrain a device in a logpool.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPS97E

**EMC SNAP API - LOG POOL REQUESTS REQUIRE 5X72 LEVEL MICROCODE**

**Cause**
A CONFIGPOOL DRAIN or CONFIGPOOL UNDRAIN request has been attempted on a device that is not running Enginuity 5772 or a later level of the operating environment.

**Action**
The CONFIGPOOL DRAIN or CONFIGPOOL UNDRAIN commands are not supported in this situation.

ESNPS98E

**EMC SNAP API - I/O ERROR CHECKING DEVICE INDIRECT STATUS**

**Cause**
An I/O error was encountered while checking the device indirect status.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance.
ESNPS99E

EMC SNAP API - UNABLE TO ACQUIRE INDIRECT DEVICE LOCK

**Cause**
Unable to acquire the indirect device lock for a device.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance.

ESNPT00E

LOGPOOL SPECIFIED - poolname - DOES NOT EXIST

**Cause**
The device in logpool cannot be drained, because the logpool does not exist.

**Action**
Either ensure that you are operating against the correct storage system or specify a different name.

ESNPT01E

NO APPROPRIATE DEVICES FOUND IN RANGE (low,high) TO BE DRAINED IN POOL poolname

**Cause**
Either:
1. No SNAPPOOL devices in that range.
2. SNAPPOOL devices in the range are the wrong type (FBA or CKD).

**Action**
Review the device range. For (1), specify a different range. For (2), specify a different range.

ESNPT10E

LOGPOOL SPECIFIED - poolname - DOES NOT EXIST

**Cause**
The device in logpool cannot be undrained, because the logpool does not exist.

**Action**
 Either ensure that you are operating against the correct storage system or specify a different name.
ESNPT11E

NO APPROPRIATE DEVICES FOUND IN RANGE \((low,high)\) TO BE UNDRAINED IN POOL \(poolname\)

**Cause**
Either:
1. No SNAPPOOL devices in that range.
2. SNAPPOOL devices in the range are the wrong type (FBA or CKD).

**Action**
Review the device range. For (1), specify a different range. For (2), specify a different range.

ESNPT20E

LOGPOOL SPECIFIED - \(poolname\) - IS NOT A SNAPPOOL POOL

**Cause**
POOL was specified for a CONFIGPOOL operation. The poolname was valid, but was not a TYPE(SNAPPOOL) pool.

**Action**
EMCSNAP CONFIGPOOL requires a SNAPPOOL pool to be used. Specify a poolname that is a SNAPPOOL pool. For operations involving other pool types, refer to SCF documentation for additional support.

ESNPT30E

REQUESTED VDEV IS IN USE BY ANOTHER EMCSNAP

**Cause**
The VDEV is already being operated on by another JOB that is executing EMCSNAP. VDEVWAIT(NO) was specified (or defaulted), causing this error to be produced.

**Action**
(1) Wait for the other job to complete execution and run this job again, or (2) specify VDEVWAIT(YES) and immediately run this job again, or (3) determine the action the other job performed against this VDEV and decide whether this job should be rerun.

ESNPT31E

FREE TARGET DEVICE WAS FOUND ONLINE TO A SYSTEM. THE TARGET DEVICE MUST BE OFFLINE TO ALL SYSTEMS

**Cause**
A FREE action was requested and the target device was found to be online.
**ESNPT32E**

**VOLSER SYNTAX IS NOT SUPPORTED ON FREE COMMAND**

**Cause**
A FREE command was issued with the VOLSER syntax used for the target device. The device cannot be freed while it is online.

**Action**
Ensure the target device is offline to all systems and retry.

---

**ESNPT40E**

**ERROR FROM @EMCDLOK CHECKING LOCK 9. VOLUME: vvvvvv, RC: xxxxxxxx, R0: xxxxxxxx, R1: xxxxxxxx**

**Cause**
An error occurred when checking the SAR status of the device.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

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**ESNPT50E**

**EMC SNAP API - I/O ERROR ACQUIRING BITMASK**

**Cause**
An error occurred while acquiring the bitmask.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

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**ESNPT51E**

**EMC SNAP API - RESTORE DEVICE IS ALREADY A TARGET DEVICE**

**Cause**
The targeted device in a restore operation is already a target device for a TF/Clone or TF/Snap operation.
**ESNPT52E**

**EMC SNAP API - TARGET DEVICE HAS EXTENT LEVEL INDIRECT TRACKS**

**Cause**
An establish was attempted and the target device has some extent level indirect tracks that cannot be automatically cleaned up.

**Action**
The extent level indirect tracks must be cleaned up before the establish can occur. This cleanup must be run from a LPAR that is locally channel attached to the device. The CLEANUP statement must be run using either the UNIT or the VOLSER parameter. It will not correct the problem if the SYMDV# parameter is used.

**ESNPT53E**

**EMC SNAP API - DRAIN FAILED, PROTECTED TRACKS PRESENT**

**Cause**
An attempt to drain a log device failed because the device has some protected tracks on it.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPT54E**

**EMC SNAP API - I/O ERROR SINGLE RESTORE**

**Cause**
An I/O error occurred during a call to perform a single restore or a single split star.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNPT55E

EMC SNAP API - INVALID LOG POOL

Cause
An attempt to create a VDEV failed because an invalid log pool was specified.

Action
Correct the log pool and try again.

ESNPT56W

EMC SNAP API - NOT SUPPORTED WITH NATIVE EXTENTS

Cause
A request to format the extent track was attempted on a device that is using native extents.

Action
Do not run a DESTROY statement against a device that is using native extents.

ESNPT57E

EMC SNAP API - SOURCE DEVICE RACF PROTECTED

Cause
An RACF security rule has been defined to protect this source device. This user does not have READ access authority to the device.

Action
Either contact the security administrator to obtain read access authority to the device or choose another source device.

ESNPT58E

EMC SNAP API - TARGET DEVICE RACF PROTECTED

Cause
An RACF security rule has been defined to protect this target device. This user does not have UPDATE access authority to the device.

Action
Either contact the security administrator to obtain update access authority to the device or choose another target device.
ESNPT59E

EMC SNAP API - REQUEST FAILED, TDEV DEVICE NOT SUPPORTED

Cause
The device specified is a TDEV device and may not be snapped.

Action
Choose another device.

ESNPT60E

LOGPOOL API - UNKNOWN ERROR DETECTED, CODE IS: xxxx

Cause
An unknown error was detected when calling the LOGPOOL API.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPT61E

LOGPOOL API - UNKNOWN FUNCTION CODE - CODE IS: xxxx

Cause
An unknown function code was requested of the LOGPOOL API.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPT62E

LOGPOOL API - TRIED TO CREATE THE DEFAULT_POOL

Cause
An attempt was made to create the pool “DEFAULT_POOL”.

Action
Choose a different pool name and try the operation again.
ESNPT63E

LOGPOOL API - LOCAL, REMOTE, AND TARGET ARE MUTUALLY EXCLUSIVE

Cause
Conflicting parameters were passed to the LOGPOOL API.

Action
Only use one of the mutually exclusive parameters – LOCAL or REMOTE or TARGET.

ESNPT64E

LOGPOOL API - TRIED TO CREATE A POOL THAT ALREADY EXISTS

Cause
The pool name to be created already exists.

Action
Choose a different pool name.

ESNPT65E

LOGPOOL API - MICROCODE PRIOR TO 5X72 DOES NOT SUPPORT DSEPOOL

Cause
An attempt to create a DSEPOOL failed.

Action
Upgrade the operating environment to a level that supports DSEPOOLS.

ESNPT66E

LOGPOOL API - TRIED TO DELETE THE DEFAULT_POOL

Cause
An attempt was made to delete the “DEFAULT_POOL”.

Action
The “DEFAULT_POOL” cannot be deleted.

ESNPT67E

LOGPOOL API - TRIED TO DELETE A POOL THAT DOES NOT EXIST

Cause
An attempt was made to delete a pool that does not exist.
Action
None – the pool does not exist.

ESNPT68E

LOGPOOL API - TRIED TO USE A POOL THAT DOES NOT EXIST

Cause
An attempt was made to use a pool that does not exist.

Action
Either create the pool first choose another pool name that does exist.

ESNPT69E

LOGPOOL API - I/O ERROR WHILE CHECKING MICROCODE LEVELS

Cause
An I/O error occurred while checking the operating environment level.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPT70E

LOGPOOL API - I/O ERROR WHILE CREATING A POOL

Cause
An I/O error occurred while creating a pool.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPT71E

LOGPOOL API - I/O ERROR WHILE ADDING A DEVICE TO A POOL

Cause
An I/O error occurred while adding a device to a pool.
ESNPT72E

**LOGPOOL API - I/O ERROR WHILE DELETING A POOL**

**Cause**
An I/O error occurred while deleting a pool.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPT73E

**LOGPOOL API - I/O ERROR WHILE RETRIEVING POOL NAMES**

**Cause**
An error occurred while retrieving the logpool pool names.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPT74E

**LOGPOOL API - I/O ERROR WHILE ENABLING A DEVICE**

**Cause**
An I/O error occurred while enabling a log device.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNPT75E

LOGPOOL API - I/O ERROR WHILE DISABLING A DEVICE

Cause
An I/O error occurred while disabling a log device.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPT76E

LOGPOOL API - I/O ERROR WHILE REMOVING A DEVICE FROM A POOL

Cause
An I/O error occurred while removing a device from a pool.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPT77E

LOGPOOL API - I/O ERROR WHILE DRAINING A DEVICE

Cause
An I/O error occurred while draining a device.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPT78E

LOGPOOL API - I/O ERROR WHILE UNDRAINING A DEVICE

Cause
An I/O error occurred while undraining a device.
**ESNPT79E**

**LOGPOOL API - I/O ERROR WHILE QUERYING A LOGPOOL**

**Cause**
An I/O error occurred while querying a logpool.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPT80E**

**LOGPOOL API - INVALID CHARACTERS IN POOL NAME**

**Cause**
An invalid character was found in the pool name.

**Action**
Correct the pool name and try the operation again.

**ESNPT81E**

**LOGPOOL API - DEVICE TYPE DOES NOT MATCH POOL TYPE**

**Cause**
The device type does not match the pool type.

**Action**
All of the devices in a pool must have the same device type – 3380, 3390, FBA, etc.

**ESNPT82E**

**LOGPOOL API - RANGE IS NOT VALID FOR DRAIN/UNDRAIN COMMAND**

**Cause**
A range was used for a DRAIN or UNDRAIN command.

**Action**
Specify individual DRAIN or UNDRAIN commands for each device.
ESNPT83E

LOGPOOL API - UNABLE TO PIN THE UCB

Cause
An error occurred when attempting to PIN a device UCB.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPT84E

LOGPOOL API - ENABLED DEVICES CAN NOT BE MOVED

Cause
An attempt was made to move a log device from one pool to another. The device is currently enabled.

Action
Disable or drain the log device before attempting to move it.

ESNPT85E

LOGPOOL API - DEVICE IS NOT IN THE NAMED POOL

Cause
The log device specified does not exist in the specified pool.

Action
Correct the device number or pool name.

ESNPT86E

LOGPOOL API - UNABLE TO DELETE NAMED POOL; DEVICES PRESENT

Cause
An attempt was made to delete a pool that still has devices present.

Action
Remove all devices from the pool and then try the operation again.
ESNPT87E

LOGPOOL API - UNABLE TO OBTAIN SYMMETRIX EXTERNAL LOCK

Cause
An error occurred when acquiring a Symmetrix external lock.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

ESNPT88E

LOGPOOL API - SCF NOT FOUND

Cause
The LOGPOOL API is not able to find SCF.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

ESNPT89E

LOGPOOL API - VOLUME NOT KNOWN TO SCF

Cause
The device being used as a gatekeeper device for LOGPOOL services is not known to SCF.

Action
Choose a different gatekeeper device.

ESNPT90E

LOGPOOL API - DDNAME NOT FOUND IN JCL

Cause
The DDNAME specified in the LOGPOOL API request is not present in this JCL for this jobstep.

Action
Correct the DDNAME, or add the DDNAME to the JCL, and try the operation again.
ESNPT91E

**LOGPOOL API - ERROR TRYING TO RELEASE SEL; NOTIFY EMC**

**Cause**
An error was encountered when trying to release the Symmetrix external lock.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPT92E

**LOGPOOL API - ERROR TRYING TO UNPIN UCB**

**Cause**
An error occurred when attempting to UNPIN a device UCB.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the syslog, the job log, and all relevant job documentation available.

ESNPT93E

**LOGPOOL API - ESFGPMSC ATTEMPTED RECOVERY FROM ABEND OR CANCEL**

**Cause**
An abend occurred (or a cancel command issued) while in the LOGPOOL API.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPT94E

**LOGPOOL API - RAGROUP VALUE FORMAT IS INVALID**

**Cause**
The RAGROUP value is not valid.
**ESNPT95E**

**LOGPOOL API - SECOND DEVICE VALUE IS NOT GREATER THAN FIRST**

**Cause**
In the LOGPOOL API request, a range was specified. The high end of the range was not greater than the low end of the range.

**Action**
Correct the range value.

**ESNPT96E**

**LOGPOOL API - SERIAL NUMBER FOUND DOES NOT MATCH**

**Cause**
In the LOGPOOL API request, the serial number for validation does not match the storage system serial number.

**Action**
Ensure that the LOCAL, REMOTE or TARGET parameter are correct.

**ESNPT97E**

**LOGPOOL API - INVALID DEVICE NUMBER**

**Cause**
An invalid device number was used for a log device.

**Action**
Correct the device number.

**ESNPT98E**

**LOGPOOL API - TYPE IS A REQUIRED PARAMETER**

**Cause**
TYPE was omitted from the LOGPOOL API request.

**Action**
Specify TYPE of SNAPPOOL or DSEPOOL.
ESNPT99E

LOGPOOL API - TYPE VALUE IS INVALID

Cause
The TYPE specified was invalid.

Action
Specify TYPE of SNAPPOOL or DSEPOOL.

ESNPU00E

LOGPOOL API - RAGROUP IS A REQUIRED PARAMETER FOR REMOTE

Cause
A remote LOGPOOL API request is missing the RAGROUP subparameter.

Action
Specify the RAGROUP subparameter.

ESNPU01E

LOGPOOL API - DEVICE POOL IS NOT EQUAL TO GPMPool

Cause
A LOGPOOL API request was made and the device belongs to a different pool than was specified.

Action
Correct the pool name.

ESNPU02E

LOGPOOL API - UNIT IS NOT KNOWN TO SCF

Cause
The device being used as a gatekeeper device for LOGPOOL services is not known to SCF.

Action
Choose a different gatekeeper device.

ESNPU03E

LOGPOOL API - UNABLE TO GET REMOTE DIRECTOR NUMBER
Cause
An error occurred when retrieving the remote director information.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPU04E
LOGPOOL API - LOGPOOL DOES NOT HAVE ENOUGH FREE SPACE

Cause
The log pool does not have enough free space.

Action
Ensure that the log pool has enough free space.

ESNPU05E
LOGPOOL API - DEVICE STILL HAS SESSIONS

Cause
The device has sessions present on it.

Action
Remove all sessions from the device.

ESNPU09E
LOGPOOL API - INSUFFICIENT BUFFER SPACE FOR POOL NAMES LIST

Cause
There was insufficient buffer space for the list of pool names.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPU10I
ABEND OCCURRED: PSW:

Cause
An abend occurred.
**ESNPU11W**

**ERROR DETECTING WHILE PROCESSING BCVGROUP STATEMENTS, EXECUTION TERMINATED**

**Cause**
Errors occurred while processing BCVGROUP statements.

**Action**
Review the error or errors encountered during parsing, correct them and run again.

**ESNPU12W**

**ERROR DETECTED WHILE PARSING REQUEST STATEMENTS, EXECUTION TERMINATED**

**Cause**
Errors occurred during parsing.

**Action**
Review the error or errors encountered during parsing, correct them and run again.

**ESNPU20E**

**CONGROUP MISMATCH ON SOURCE DATASET, SOME EXTENTS IN CONGROUP: xxxxxxxxxx AND SOME IN CONGROUP: xxxxxxxxxx**

**Cause**
ConGroup checking is enabled. The source dataset has some extents in at least two different consistency groups.

**Action**
Move the dataset so that all extents are in the same consistency group.

**ESNPU21E**

**CONGROUP MISMATCH ON TARGET DATASET, SOME EXTENTS IN CONGROUP: xxxxxxxxxx AND SOME IN CONGROUP: xxxxxxxxxx**

**Cause**
ConGroup checking is enabled. The target dataset has some extents in at least two different consistency groups.
Action
Move the dataset so that all extents are in the same consistency group.

**ESNPU30E**

**Cause**
The source device(s) is a member of the indicated consistency group.

**Action**
Refer to following messages in the log file. This message is simply reporting the status of the source device.

**ESNPU31E**

**Cause**
The source device(s) is not a member of the indicated consistency group.

**Action**
Refer to the messages that follow ESNPU31E in the log file. This message is simply reporting the status of the source device.

**ESNPU32E**

**Cause**
The target device(s) is a member of the indicated consistency group.

**Action**
Refer to following messages in the log file. This message is simply reporting the status of the target device.

**ESNPU33E**

**Cause**
The target device(s) is not a member of the indicated consistency group.

**Action**
Refer to following messages in the log file. This message is simply reporting the status of the target device.
ESNPU40E

DEVICE NOT AVAILABLE, HOST INTERVENTION REQUIRED - xxxxxxxx

**Cause**
The device is an SRDF device and is set to cleanup mode.

**Action**
The device must complete cleanup before it can be used.

ESNPU41E

DEVICE LINK IS IN TRANSMIT IDLE STATE, MUST BE CHANGED TO INACTIVE - vol_info

**Cause**
Unable to properly access the remote device information because the device link is in a transmit idle state. It must be changed to inactive in order to proceed.

**Action**
correct the problems with the device link.

ESNPU50I

CONGROUP SETTING IS: NONE

**Cause**
ConGroup checking is set to NONE.

**Action**
None.

ESNPU51I

CONGROUP SETTING IS: REQUIRED_SAME

**Cause**
ConGroup checking is set to REQUIRED_SAME

**Action**
None.

ESNPU52I

CONGROUP SETTING IS: REQUIRED_ANY
Cause
ConGroup checking is set to REQUIRED_ANY

Action
None.

ESNPU53I

CONGROUP SETTING IS: REQUIRED_TARGET

Cause
ConGroup checking is set to REQUIRED_TARGET

Action
None.

ESNPU54I

CONGROUP SETTING IS: WARNING

Cause
ConGroup checking is set to WARNING.

Action
None.

ESNPU60E

VFLK ERROR OBTAINING VDEVFREE SELLOCK, RC=xxxxxxxx

Cause
An error occurred while obtaining the VDEVFREE SELLOCK.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPU61I

VDEV FREE MANAGEMENT LOCK FOUND HELD, OVERRIDE DETECTED, AUTOMATICALLY RELEASED

Cause
When attempting to acquire the VDEV FREE MANAGEMENT LOCK, it was found to be held. The hold time was excessive, so the lock was automatically released.
Action
None.

ESNPU62I

VDEV FREE MANAGEMENT LOCK FOUND HELD FOR count SECONDS, AUTOMATICALLY RELEASED

Cause
When attempting to acquire the VDEV FREE MANAGEMENT LOCK, it was found to be held. The hold time was excessive, so the lock was automatically released.

Action
None.

ESNPU70E

VOLUME (vvvvv SN sssssss-sssss/xxxx) CANNOT BE A VIRTUAL DEVICE FOR GATEKEEPER PURPOSES

Cause
A virtual device was specified as the gatekeeper device.

Action
Virtual devices may not process syscalls. So they may not be used as a gatekeeper device. Specify a non-virtual device as the gatekeeper device and rerun.

ESNPU80E

LOGPOOL API - UNABLE TO DRAIN DEVICE DUE TO PROTECTED TRACKS

Cause
A DRAIN request was requested and failed because the device has protected tracks.

Action
Try the operation again after the protected tracks are gone.

ESNPU81E

LOGPOOL API - INSUFFICIENT BUFFER SPACE FOR ANY RECORDS

Cause
There was insufficient space for the list of devices.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNPU82E

LOGPOOL API - NAMED POOL HAS NO DEVICES

**Cause**
The pool has no devices.

**Action**
None.

ESNPU83E

LOGPOOL API - DEVICE HAS TRACKS IN USE; CANNOT BE REMOVED

**Cause**
A CONFIGPOOL REMOVE was issued to a device that has tracks in use.

**Action**
The tracks must first be completely drained from the device before it can be removed.

ESNPU84E

LOGPOOL API - TARGET IS NOT AVAILABLE

**Cause**
The target is not available.

**Action**
Make the target available and try the operation again.

ESNPU85E

LOGPOOL API - DEVICE AND POOL ARE NOT THE SAME TYPE

**Cause**
A CONFIGPOOL request was made where the device and pool are not of the same type. For instance, a SAVEDEV device being used with a DSE pool.

**Action**
Either change the pool name to a SAVEDEV pool or use the standalone utility to work with devices and pools that are not SAVEDEV devices.

ESNPU86E

LOGPOOL API - TRYING TO MOVE A DATA DEVICE TO A SNAP/DSE POOL
**ESNPU87E**

**Cause**
A CONFIGPOOL request is trying to move a data device to a pool with different attributes. A SAVEDEV device can only be moved to a SAVEDEV pool.

**Action**
Either change the pool name to a SAVEDEV pool or use the standalone utility to work with devices and pools that are not SAVEDEV devices.

**ESNPU88E**

**Cause**
A CONFIGPOOL request has failed because of lack of region storage.

**Action**
Either increase the region size and submit the request again or use the Pool Management Batch Utility.

**ESNPU89E**

**Cause**
A CONFIGPOOL request was made against a DSE Pool.

**Action**
Either change the pool name to a SAVEDEV pool or use the Pool Management Batch Utility to work with devices and pools that are not SAVEDEV devices. The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides more information about the Pool Management Batch Utility.

**ESNPU90E**

**Cause**
The CONTROLLER parameter was specified with a storage system name. The storage system name is not recognized as a valid storage system name.
Action
Check the spelling and case of the specified storage system name. If the name contains special characters or spaces, it must be enclosed in quotes.

ESNPU91E

NAME: name

Cause
This message follows ESNPU90E and identifies the storage system name specified.

Action
None.

ESNPU92I

CONTROLLER NAME SPECIFIED, CONTROLLER ssssss-ssss SELECTED

Cause
The CONTROLLER parameter was specified with a storage system name. The storage system name was found and the appropriate storage system will be targeted.

Action
None.

ESNPU93E

CONTROLLER NAME AND SERIAL NUMBER SPECIFIED, THEY DO NOT MATCH

Cause
The CONTROLLER parameter was specified with both a serial number and a storage system name. The storage system found by looking up the name does not match the serial number.

Action
Correct one of the two parameter so that they agree on the same storage system.

ESNPU94E

NAME: name

Cause
This message follows ESNPU93E and identifies the storage system name specified.

Action
None.
ESNPU95E

NAME SELECTED SERIAL NUMBER: ssssss-ssss

Cause
This message follows ESNPU93E and identifies the serial number found matching the storage system name.

Action
None.

ESNPU96E

USER SPECIFIED SERIAL NUMBER: ssssss-ssss

Cause
This message follows ESNPU93E and identifies the serial number specified.

Action
None.

ESNPU97E

CONTROLLER NUMBER NOT RECOGNIZED, ENSURE IT IS A VALID CONTROLLER

Cause
The CONTROLLER parameter was specified with a serial number. The serial number was not found.

Action
Correct the serial number and try the operation again.

ESNPU98E

NUMBER: ssssss-ssss

Cause
This message follows ESNPU97E and identifies the specified serial number.

Action
None.

ESNPW00E

SECURITY DOES NOT ALLOW ACCESS TO SYMDV# : xxxxxxxxx

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**Cause**
RACF checking is enabled for the SYMDV#. A security rule is present and does not allow this user access to the indicated SYMDV#.

**Action**
Either correct the security rule to allow access or change the device to one allowed.

**ESNPW10I**

**API QUERY GLOBAL REQUEST PROCESSED**

**Cause**
A QUERY GLOBAL was encountered by the API interface.

**Action**
None.

**ESNPW20I**

--- EMCSNAPO --- VER vv.ll.rr --- SIZE nnn --- DATE/TIME mm/dd/yy hh:mm ---

**Cause**
This line identifies the last time the EMCSNAPO module was assembled. It contains the version, size and assembly date.

**Action**
None.

**ESNPW21I**

**SITE SETTING GLOBAL OVERRIDE**

**Cause**
This line precedes ESNPW22I and provides a column heading. The two columns correspond to the site setting that is assembled into the EMCSNAPO module and the current setting as overridden by GLOBAL statements.

**Action**
None.

**ESNPW22I**

**fieldname sitesetting globalsetting**

**Cause**
One line is present for each site or global setting. The parameter name is identified and the default value (site setting) and overridden value (global override) are displayed. If N/A is present in the overridden column, the value is not changeable by the GLOBAL statement and the site option value will be used.
ESNPW30I

PROCESSING FOR STATEMENT #nn BEGINNING, QUERY GLOBAL REQUEST

Cause
Processing of the QUERY GLOBAL statement is beginning.

Action
None.

ESNPW31I

PROCESSING FOR STATEMENT #nn COMPLETED, HIGHEST RETURN CODE ENCOUNTERED IS rc

Cause
Processing of the QUERY GLOBAL statement has completed.

Action
None.

ESNPW40E

SOURCE DEVICE IS A SRDF/A R2 AND MAY NOT BE USED WITH A VDEV

Cause
The source device is a SRDF/A R2 and VDEV(s) may not be associated with them.

Action
Do not associate a VDEV with an SRDF/A R2.

ESNPW41E

SOURCE DEVICE IS A SRDF/A R2 AND MODE(NOCOPY) IS NOT ALLOWED

Cause
The source device is a SRDF/A R2 and MODE(NOCOPY) was specified.

Action
Change MODE(NOCOPY) to MODE(COPY). Also ensure that PRECOPY(YES) and WAIT_FOR_PRECOPY_PASS1(YES) is specified.
ESNPW42E

SOURCE DEVICE IS A SRDF/A R2 AND PRECOPY(YES) IS REQUIRED

**Cause**
The source device is a SRDF/A R2 and PRECOPY(NO) was specified.

**Action**
Change PRECOPY(NO) to PRECOPY(YES). Also ensure that MODE(COPY) and WAIT_FOR_PRECOPY_PASS1(YES) is specified.

ESNPW43E

SOURCE DEVICE IS A SRDF/A R2 AND WAIT_FOR_PRECOPY_PASS1(YES) IS REQUIRED

**Cause**
The source device is a SRDF/A R2 and WAIT_FOR_PRECOPY_PASS1(NO) was specified.

**Action**
Change WAIT_FOR_PRECOPY_PASS1(NO) to WAIT_FOR_PRECOPY_PASS1(YES). Also ensure that MODE(COPY) and PRECOPY(YES) is specified.

ESNPW44E

SOURCE DEVICE IS A SRDF/A R2 AND WRITE PACING MUST BE ACTIVE TO USE A VDEV

**Cause**
The source device is a SRDF/A R2 device. The target device is a virtual device. Write pacing must be active to use a virtual device with a SRDF/A R2 device.

**Action**
Choose either to activate write pacing on the SRDF/A group or choose another source device.

ESNPW50E

THIS USER DOES NOT HAVE THE PROPER SECURITY FOR THIS COMMAND (cmd)

**Cause**
An RACF security rule has been defined to protect this EMCSNAP command. This user does not have READ access authority to use the command.

**Action**
Contact the security administrator to obtain the proper access authority to use the command.
ESNPW60E

THIS USER DOES NOT HAVE THE PROPER SECURITY FOR THIS GROUP (groupname)

Cause
An RACF security rule has been defined to protect this EMCSNAP GROUP. This user does not have the proper access authority to use the command.

Action
Contact your security administrator to obtain the proper access authority to use the group.

ESNPW70E

THIS USER DOES NOT HAVE THE PROPER SECURITY FOR THIS POOL (poolname)

Cause
An RACF security rule has been defined to protect this EMCSNAP POOL. This user does not have the proper access authority to use the command.

Action
Contact the security administrator to obtain the proper access authority to use the group.

ESNPW80E

EMC SNAP API - I/O ERROR ESTABLISHING FLASHCOPY EXTENTS

Cause
An I/O error occurred during a call to perform a FlashCopy Establish.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

ESNPW81E

EMC SNAP API - I/O ERROR WITHDRAWING FLASHCOPY EXTENTS

Cause
An I/O error occurred during a call to perform a FlashCopy Withdraw.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPW82E**

**EMC SNAP API - SYSCALL 0148 DETECTED MIXED SETTINGS**

**Cause**
An internal storage system error has been detected. The device has an active extent track and it also has active native extents.

**Action**
Contact Dell EMC Customer Support.

**ESNPW83E**

**EMC SNAP API - ESTABLISH FAILED MULTIPLES TIMES WITH RC=0X6D**

**Cause**
The target extent overlaps an existing target extent. The existing target extent is native extents. An attempt to resolve the issue has failed.

**Action**
Wait and try the request again. Contact Dell EMC Customer Support if the problem persists.

**ESNPW84E**

**EMC SNAP API - MICROCODE LEVEL &gt;= 5X74, NOT SUPPORTED WITH THIS VERSION**

**Cause**
The storage system is running an operating environment level that is not supported by this level of host software.

**Action**
Contact Dell EMC Customer Support to obtain and install the most recent level of host software.

**ESNPW85E**

**EMC SNAP API - I/O ERROR PERFORMING MULTI-DEVICE ACTIVATE**

**Cause**
A syscall (9242) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct
the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

**ESNPW86E**

EMC SNAP API - I/O ERROR PERFORMING MULTI-DEVICE ESTABLISH

**Cause**
A syscall (9242) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPW87E**

EMC SNAP API - I/O ERROR PERFORMING MULTI-DEVICE QUERY

**Cause**
A syscall (9242) returned unexpected data during a call to query session information.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPW88E**

EMC SNAP API - I/O ERROR PERFORMING MULTI-DEVICE RESTORE

**Cause**
A syscall (9242) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPW89E**

EMC SNAP API - I/O ERROR PERFORMING MULTI-DEVICE SPLITSTAR
**ESNPW90E**

**GROUP groupname NOT FOUND, INCLUDE ABORTED**

**Cause**
An INCLUDE statement of a group failed, the specified group name does not exist.

**Action**
Correct the group name and rerun the request.

**ESNPW91E**

**GROUP groupname ALREADY INCLUDED, RECURSION NOT ALLOWED**

**Cause**
A INCLUDE statement specified a group that has already been included. Recursion is not allowed.

**Action**
Correct the group name and rerun the request.

**ESNPX00E**

**EMC SNAP API - I/O ERROR PERFORMING MULTI-DEVICE TERMINATE**

**Cause**
A syscall (9242) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPX01E**

**EMC SNAP API - I/O ERROR REESTABLISHING VIRTUAL DEVICE**

**Cause**
A syscall (814F) I/O failed with the indicated return code.
Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPX02E

EMC SNAP API - I/O ERROR PERFORMING MULTI-DEVICE SET COPY MODE

Cause
A syscall (9242) I/O failed with the indicated return code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPX03E

EMC SNAP API - REQUEST FAILED, DISKLESS DEVICE NOT SUPPORTED

Cause
A request was made using a diskless device. Diskless devices may not be used in EMCSNAP.

Action
Choose another device.

ESNPX04E

EMC SNAP API - REQUEST FAILED, VDEV DOES NOT SUPPORT THIS TYPE OF REQUEST

Cause
A request has been made to a VDEV that is not allowed. An example might be attempting to use a VDEV as a gatekeeper device.

Action
Correct the request and ensure that a VDEV is not being used as a gatekeeper device.

ESNPX05E

EMC SNAP API - DEVICE MISSING REQUIRED MICROCODE FIX 41844

Cause
The storage system is missing a required operating environment fix (# 41844).
ESNPX06E

EMC SNAP API - DEVICE MISSING REQUIRED MICROCODE FIX 43599 FOR EAV SPACE

Cause
The storage system is missing a required operating environment fix (#43599) for EAV devices.

Action
Contact Dell EMC Customer Support to have fix #43599 installed on the storage system.

ESNPX07E

EMC SNAP API - ACTIVATE FAILED, THERE ARE INDIRECTS ON THE SOURCE DEVICE

Cause
Activate of device sessions has failed because there are indirect tracks on the source device.

Action
Retry the operation after the indirect tracks have completed their copying.

ESNPX08E

EMC SNAP API - I/O ERROR CREATING MULTI VIRTUAL SESSION

Cause
A syscall (814F) I/O failed with the indicated return code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPX09E

EMC SNAP API - WAIT TIME EXCEEDED, TARGET NOT FULLY DEFINED

Cause
The wait time has elapsed but undefined tracks still exist.
Action
None.

ESNPX10W

A PDSE DATASET IS OPEN ON THIS SYSTEM, THE CONTENTS MAY BE IN CACHE AND NOT PROPERLY COPIED

Cause
INVALIDATE_PDSE(YES) is specified and an attempt was made to flush the PDSE hyperspace cache. The attempt failed indicating that a PDSE dataset is open on this system.

Action
One of the following:

- If the request is SNAP DATASET, close or shutdown all applications using the dataset (on all systems) and try the request again.
- If the request is SNAP VOLUME, ensure that all PDSE datasets on the volume are closed or all applications using the datasets are quiesced. Then try the request again.

ESNPX11W

A PDSE DATASET IS OPEN ON ANOTHER SYSTEM, THE CONTENTS MAY BE IN CACHE AND NOT PROPERLY COPIED

Cause
INVALIDATE_PDSE(YES) is specified and an attempt was made to flush the PDSE hyperspace cache. The attempt failed indicating that a PDSE dataset is open on another connected system.

Action
Either:

- If the request is SNAP DATASET, close or shutdown all applications using the dataset (on all systems) and try the request again.
- If the request is SNAP VOLUME, ensure that all PDSE datasets on the volume are closed or all applications using the datasets are quiesced. Then try the request again.

ESNPX12W

A PDSE DATASET IS OPEN ON SOME SYSTEMS, THE CONTENTS MAY BE IN CACHE AND NOT PROPERLY COPIED

Cause
INVALIDATE_PDSE(YES) is specified and an attempt was made to flush the PDSE hyperspace cache. The attempt failed indicating that a PDSE dataset is open on some connected systems.

Action
Either:
If the request is SNAP DATASET, close or shutdown all applications using the dataset (on all systems) and try the request again.

If the request is SNAP VOLUME, ensure that all PDSE datasets on the volume are closed or all applications using the datasets are quiesced. Then try the request again.

ESNPX13E

AN ERROR WAS ENCOUNTERED WHILE INVALIDATING PDSE BUFFERS

Cause
An error was encountered while invalidating PDSE hyperspace cache.

Action
Consult Dell EMC Customer Support.

ESNPX14E

R15: xxxxxxxx R0: xxxxxxxx R1: xxxxxxxx

Cause
This message is produced with ESNPX13E for diagnostic purposes.

Action
Refer to ESNPX13E.

ESNPX20E

RC=1730 - SOURCE HAS SOME INDIRECT TRACKS

Cause
The source currently has some indirect tracks. This means that another snap took place with this source identified as the target of that snap.

Action
Either rerun the request after the background copy has completed or specify a datamover on the request to allow the copy to occur through the host.

ESNPX21E

RC=1732 - TARGET HAS SOME PROTECTED TRACKS

Cause
The target currently has some protected tracks. This means that another snap took place with this target identified as the source of that snap.

Action
Either rerun the request after the background copy has completed or specify a datamover on the request to allow the copy to occur through the host.
ESNPX22E

RC=1738 - EXTENT TRACK IS FULL

Cause
The extent track has too many individual extents in it.

Action
Allow some time for the background copy to occur and then rerun the request.

ESNPX23E

RC=1740 - BACKGROUND SPLIT IS IN PROGRESS

Cause
A device is currently performing a TimeFinder/Mirror SPLIT operation.

Action
Allow some time for the split to complete and then rerun the request.

ESNPX24E

RC=176D - TARGET OVERLAPS ANOTHER TARGET

Cause
The target currently has some indirect tracks. This means that another snap took place with this target identified as the target of that snap.

Action
Either run a STOP SNAP to the target and then rerun the request or allow some time for the background copy to complete and then rerun the request.

ESNPX25E

RC=176E - TOO MANY SESSIONS FOR EXTENT TRACK OPERATIONS

Cause
The limit for separate sessions for extent track operations has been reached. A separate session is required for each unique copy of the source.

Action
Either allow some time for the background copy to complete and then rerun the request or specify a datamover on the request to allow the copy to occur through the host.
ESNPX26E

RC=1770 - BACKEND CHECK FAILURE - SOME TRACKS ARE EITHER PROTECTED OR INDIRECT

or

DEVICE IS NOT A VDEV

or

VSE TARGET BELONGS TO DIFFERENT POOL

**Cause**
1) The operating environment has detected that some tracks are either protected or indirect.
2) The device is not a VDEV device.
3) A VSE target device belongs to a different pool.

**Action**
1) Either allow some time for the background copy to complete and then rerun the request, or specify a datamover on the request to allow the copy to occur through the host.
2) The operation requires a VDEV device.
3) Do not use MODE(VSE) when devices are in different pools.

ESNPX27E

RC=173C - MICROCODE UNABLE TO LOCK TARGET DEVICE

**Cause**
The operating environment is unable to serialize access to the target device. This is not a device lock, but operating environment serialization.

**Action**
Rerun the request.

ESNPX28E

RC=173D - MICROCODE HAS TARGET DEVICE MARKED AS UNUSABLE

**Cause**
The operating environment has the device marked as unusable.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.
ESNPX29E

RC=1731 - MICROCODE UPGRADE IN PROGRESS

Cause
An operating environment upgrade is in progress.

Action
Wait for the operating environment upgrade to complete and then rerun the request.

ESNPX30E

RC=1733 - MICROCODE UNABLE TO LOCK SOURCE DEVICE

Cause
The operating environment is unable to serialize access to the source device. This is not a device lock, but operating environment serialization.

Action
Rerun the request.

ESNPX31E

RC=174E - FULL DEVICE TARGET IS ALREADY A TARGET DEVICE

Cause
The target device is already the target device of an earlier request.

Action
Either:

ESNPX32E

RC=1767 - MEMORY REPLACEMENT IN PROGRESS, NO OPERATIONS ALLOWED AT THIS TIME

Cause
A memory upgrade is in progress.

Action
Wait for the memory upgrade to complete and then rerun the request.

ESNPX33E

RC=1768 - PROBABLY EXCEEDED SESSION LIMITS
**Cause**
The limit for separate sessions has been reached. A separate session is required for each unique copy of the source.

**Action**
Either allow some time for the background copy to complete and then rerun the request or specify a datamover on the request to allow the copy to occur through the host.

---

**ESNPX34E**

RC=1774 - FULL DEVICE SOURCE IS CURRENTLY TARGET OF ANOTHER OPERATION OR MIXING THICK AND THIN WHILE CASCADING

**Cause**
(1) The source currently has some indirect tracks. This means that another snap took place with this source identified as the target of that snap.

(2) Cascading thick and thin devices is not allowed.

**Action**
(1) Either rerun the request after the background copy has completed or specify a datamover on the request to allow the copy to occur through the host.

(2) None. Cascading thick and thin devices is not allowed.

---

**ESNPX35E**

RC=1775 - FULL DEVICE TARGET IS CURRENTLY SOURCE OF ANOTHER OPERATION

**Cause**
The target currently has some protected tracks. This means that another snap took place with this target identified as the source of that snap.

**Action**
Either rerun the request after the background copy has completed or specify a datamover on the request to allow the copy to occur through the host.

---

**ESNPX36E**

RC=1787 - REMOTE LINK IS DOWN

**Cause**
The remote link is down and the remote storage system is not reachable.

**Action**
Correct the link problem and rerun the request.
ESNPX37E

RC=178C - REMOTE SYSCALL TIMEOUT

**Cause**
A timeout occurred while performing a remote syscall request.

**Action**
Determine what caused the timeout and correct the problem. Rerun the request. If unable to determine the cause, consult with Dell EMC Customer Support.

ESNPX38E

RC=179C - MULTI-HOP SYSCALL TIMEOUT

**Cause**
A timeout occurred while performing a remote syscall request.

**Action**
Determine what caused the timeout and correct the problem. Rerun the request. If unable to determine the cause, consult with Dell EMC Customer Support.

ESNPX39E

RC=1778 - TARGET IS NOT VDEV, OR HAS AN INACTIVE SESSION PRESENT

**Cause**
Either the target device is not a VDEV or the target device has an inactive session present.

**Action**
Either correct the request or run a cleanup on the target device to remove the inactive session.

ESNPX40E

RC=172E - ATTEMPTING TO USE A TDEV THAT IS NOT BOUND

**Cause**
A TDEV device is referenced, but has not been bound in the operating environment.

**Action**
Bind the TDEV and try the request again.
ESNPX41E

**RC=175B - SOURCE DEVICE HAS INDIRECT TRACKS**

**Cause**
The source device has indirect tracks.

**Action**
Wait until the indirect tracks have been resolved and then try the request again.

ESNPX42E

**RC=175D - SOURCE DEVICE IS TARGET OF AN INACTIVE SESSION**

**Cause**
The source device is currently the target of a clone session that has not been activated.

**Action**
Either activate the inactive session or remove the inactive session.

ESNPX43E

**RC=1715 - TARGET DEVICE HAS "INHIBIT OUTBOARD COPY" SET**

**Cause**
An IBM FlashCopy request with "inhibit outboard copy" has this device blocked.

**Action**
Review the IBM documentation and make the device write enabled.

ESNPX44E

**RC=17AE - QUICK-CONFIG CHECK FAILED**

**Cause**
The "quick config" value being used to validate the storage system configuration is incorrect. Most likely, the configuration has changed.

**Action**
Rerun the request. Verify that the devices are still the correct devices.

ESNPX45E

**RC=1777 - PARALLEL CLONE SESSIONS EXISTS, PARALLEL_CLONE(YES) NOT SPECIFIED**
ESNPX46E

RC=175E - PERSISTENT RESTORE SESSION EXISTS, YOU MUST TERMINATE IT FIRST

Cause
An operation was attempted on a device that has an active persistent restore session.

Action
Either wait for the persistent restore to complete or use STOP SNAP to terminate the persistent restore.

ESNPX47E

RC=1704 - LOG POOL HAS NO ACTIVE DEVICES

Cause
While attempting to establish a virtual device with a standard device, the operating environment has detected that either the log pool name is invalid, or there are no active devices in the log pool.

Action
Either verify that the log pool name is valid or ensure that the log pool has devices in it and that there is at least one active log pool device with free tracks available.

ESNPX48E

RC=1761- MAX SESSIONS FOR SOURCE DEVICE

Cause
The number of allowed sessions on the device has been exceeded. The maximum number of sessions varies depending on the session type:

- Full device request - limit 4 sessions
- Extent (dataset) request - limit 4 sessions
- VDEV request - limit 8 sessions
- Multi-VDEV request - limit 128 sessions
- Overall - no more than a total of 16 (Full device, extent, VDEV, SDDF and other) sessions may exist on a single device at a time.

Action
Examine the existing sessions and remove those you no longer need. Then retry your request.
ESNPX49E

RC=176F - VDEV HAS INACTIVE DUPLICATES, TERMINATE THESE FIRST

**Cause**
A STOP SNAP is issued to a VDEV that has inactive duplicates. This means that a SNAP VOLUME request with SOURCE_VDEV and TARGET_VDEV was performed and the resulting target virtual device was never activated.

**Action**
Perform the following two actions:

a) Issue a STOP SNAP to the inactive duplicate virtual devices, then issue the STOP SNAP against the original virtual device.

b) Activate the inactive virtual devices and then issue the STOP SNAP against the original virtual device.

ESNPX50E

SITE LICENSE DISALLOWS CLONE OPERATIONS

**Cause**
The Site Licensed Feature Code does not allow full device clone operations (TimeFinder/Clone).

**Action**
Add the appropriate clone Licensed Feature Code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPX51E

CONTROLER LICENSE DISALLOWS CLONE OPERATIONS - SERIAL#: nnnnnnn-nnnnnn

**Cause**
The storage system LFC does not allow full device clone operations (TimeFinder/Clone) on the specified storage system.

**Action**
Add the appropriate clone licensed feature code to the storage system. You may need to contact your local Dell EMC sales representative to obtain the code.

**Note**
This message is accompanied by ESNPX53E which provides more explanatory information and directs you to your Dell EMC representative.
E

ESNPX52E

@EMCKFI FAILED CHECKING CONTROLLER nnnnnnn-nnnn, R15: xxxxxxxx R0: xxxxxxxx

Cause
#EMCKFI returned an error while attempting to check the LFC for the specified storage system.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPX53E

TO FIND OUT MORE OR OBTAIN THE NECESSARY LFC CONTACT YOUR LOCAL EMC SALES REPRESENTATIVE

Cause
A full device clone operation was attempted without enabling the feature.

Action
Add the clone Licensed Feature Code to SCF. You may need to contact your local Dell EMC Sales representative to obtain the code.

ESNPX54E

UNABLE TO VALIDATE CONTROLLER LICENSE, CONTROLLER NOT DEFINED TO SCF - S/N xxxxxxxx-xxxxx

Cause
An attempt to validate the storage system license failed. The device storage system is not defined to SCF.

Action
Either review the SCF devices and ensure that the device is included in SCF or correct the device reference to a valid SCF device.

ESNPX55E

TO FIND OUT MORE OR OBTAIN THE NECESSARY ELM CONTACT YOUR LOCAL EMC SALES REPRESENTATIVE

Cause
A full device clone operation was attempted without enabling the feature
Action
Add the clone eLicenses to your storage systems. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPX60E

SITE LICENSE DIS ALLOWS EXTENT SNAP OPERATIONS

Cause
The Site Licensed Feature Code does not allow extent snap operations (TimeFinder/Clone).

Action
Add the appropriate extent snap Licensed Feature Code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPX61E

CONTROLLER LICENSE DIS ALLOWS EXTENT SNAP OPERATIONS - SERIAL#: nnnnnnn-nnnnn

Cause
The storage system Licensed Feature Code does not allow extent snap operations (TimeFinder/Clone) on the specified storage system.

Action
Add the appropriate extent snap Licensed Feature Code to the storage system. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPX62E

@EMCKFI FAILED CHECKING CONTROLLER nnnnnnn-nnnnn, R15: xxxxxxxx R0: xxxxxxxx

Cause
#EMCKFI returned an error while attempting to check the LFC for the specified controller.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPX63E

TO FIND OUT MORE OR OBTAIN THE NECESSARY LFC CONTACT YOUR LOCAL EMC SALES REPRESENTATIVE
**ESNPX64E**

**Cause**
An extent snap operation was attempted without enabling the feature.

**Action**
Add the extent snap licensed feature code to SCF. You may need to contact your local Dell EMC Sales representative to obtain the code.

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**ESNPX70E**

**Cause**
An attempt to validate the controller license failed. The device controller is not defined to SCF.

**Action**
Either review the SCF devices and ensure that the device is included in SCF, or correct the device reference to a valid SCF device.

---

**ESNPX71E**

**Cause**
A syscall (814F) I/O failed with the indicated return code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

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**ESNPX72E**

**Cause**
EMC SNAP API - I/O ERROR ACTIVATING MULTI VIRTUAL DEVICE

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.
Cause
An establish operation failed because the number of cascading clone devices has been exceeded.

Action
Refer to the product manual for a description of cascading clone. At this time, no more than three devices may be involved in a cascading clone relationship. In order to create this new relationship, one of the cascading sessions involving these devices must be terminated.

ESNPX73E

EMC SNAP API - I/O ERROR PERSISTENT RESTORE MULTI VIRTUAL

Cause
An error occurred while attempting to perform a persistent restore.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPX74E

EMC SNAP API - FBA REQUIRES FULL DEVICE SETTING

Cause
An operation is being performed on a FBA device. The operation is not a full device operation.

Action
Choose another device.

ESNPX75E

EMC SNAP API - ERROR OBTAINING RD56 INFORMATION

Cause
An error occurred while obtain raid 5 / 6 device information.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNPX76E

EMC SNAP API - NO DIRECTOR FOUND FOR OPERATION

Cause
An operation requires a specific DA director, and none was found.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPX77E

EMC SNAP API - RESTORE FAILED, DEVICE HAS SESSIONS

Cause
A restore operation was requested. The restore-to device has protection sessions active on it.

Action
(1) Cleanup and stop all active session on the restore-to device, or (2) restore to a different device.

ESNPX78E

EMC SNAP API - NO REMOTE ADAPTER AVAILABLE FOR OPERATION

Cause
A remote request was attempted that requires host adaptors to execute the request. The remote storage system does not have any host adaptors available.

Action
(1) Install a host adaptor in the remote storage system, or (2) Choose a different operation or storage system.

ESNPX79E

EMC SNAP API - I/O ERROR REESTABLISHING MULTI DEVICE VIRTUAL

Cause
An error occurred while attempting to re-establish a virtual device.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct
the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

**ESNPX80E**

**LOGPOOL API - ATTEMPT TO DRAIN A DEVICE THAT IS IN A BAD POOL**

**Cause**
A CONFIGPOOL request was made to drain a device that is in a bad pool.

**Action**

**ESNPX81E**

**LOGPOOL API - EYECATCHER IN ESF$GPMB IS NOT VALID**

**Cause**
An internal error was detected.

**Action**

**ESNPX82E**

**LOGPOOL API - VERSION NUMBER IN ESF$GPMB IS NOT VALID**

**Cause**
An internal error was detected.

**Action**

**ESNPX83E**

**LOGPOOL API - VALUE OF LENGTH IN ESF$GPMB IS NOT VALID**

**Cause**
An internal error was detected.

**Action**
ESNPX84E

LOGPOOL API - SCFKFI FEATURE REGISTRATION CHECK FAILED

**Cause**
An internal error was detected.

**Action**
Use the Pool Management Batch Utility.

ESNPX85E

LOGPOOL API - MICROCODE LEVEL IS TOO LOW TO SUPPORT THE REQUEST

**Cause**
The request is being run against a storage system that does not support it.

**Action**
Use the Pool Management Batch Utility. The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide provides more information about pool management.

ESNPX86E

LOGPOOL API - DEVICE IS WRONG STORAGE CLASS FOR POOL

**Cause**
Internal error.

**Action**

ESNPX87E

LOGPOOL API - DEFAULT POOL CANNOT BE RENAMED

**Cause**
Internal error.

**Action**
ESNPX88E

LOGPOOL API - POOL CANNOT BE RENAMED TO DEFAULT NAME

Cause
Internal error.

Action

ESNPX89E

LOGPOOL API - TRIED TO RENAME A POOL THAT DOES NOT EXIST

Cause
Internal error.

Action

ESNPX90I

PROCESSING FOR STATEMENT #nnnn BEGINNING, COMPARE DATA SET REQUEST

Cause
Processing of the COMPARE DATASET statement is beginning.

Action
None.

ESNPX91I

PROCESSING FOR STATEMENT #nnnn COMPLETED, HIGHEST RETURN CODE ENCOUNTERED IS nnnn

Cause
Processing of the COMPARE DATASET statement has completed.

Action
None.
ESNPX92I

SOURCE MASK: source mask

Cause
This message immediately follows message ESNPX90I indicating the source dataset name mask.

Action
None.

ESNPX93I

TARGET MASK: target mask

Cause
This message immediately follows message ESNPX92I indicating the target dataset name mask.

Action
None

ESNPX94I

EXCLUDE MASK: exclude mask

Cause
This message immediately follows message ESNPX93I and identifies the exclude dataset name mask (if present).

Action
None

ESNPX95I

SOURCE DDNAME: ddname

Cause
This message immediately follows message ESNPX90I identifying the source DD statement used.

Action
None
**ESNPX96I**

**TARGET DDNAME:** *ddname*

**Cause**
This message follows message ESNPX90I identifying the target DD statement used.

**Action**
None

**ESNPX97I**

**PROCESSING BYPASSED DUE TO TYPRUN(NORUN) OPTION**

**Cause**
TYPRUN=NORUN was specified and all action processing is bypassed.

**Action**
Verify that the processing will produce the desired results and run again without TYPRUN=NORUN.

**ESNPX98I**

**SRCE DSN:** *dsname*  **TRGT DSN:** *dsname*

**Cause**
TYPRUN=NORUN was requested. This message identifies the source and target datasets that would be snapped if the run was to be processed.

**Action**
None.

**ESNPX99I**

**RENAME OLD:** *dsname*  **NEW:** *dsname*

**Cause**
The list of RENAMEUNCONDITIONAL pairs are listed in processing sequence.

**Action**
None

**ESNPY00I**

**PROCESSING FOR STATEMENT #nnnn BEGINNING, COMPARE FROM VOLUME volser TO VOLUME volser**
**ESNPY01I**

PROCESSING FOR STATEMENT #nnnn COMPLETED, HIGHEST RETURN CODE ENCOUNTERED IS nnnn

**Cause**
Processing for indicated COMPARE VOLUME command is beginning.

**Action**
None

**ESNPY02I**

PROCESSING BYPASSED DUE TO TYPRUN(NORUN) OPTION

**Cause**
TYPRUN=NORUN was specified and all action processing is bypassed.

**Action**
Verify that the processing produces the desired results and run again without TYPRUN=HOLD.

**ESNPY03E**

UNABLE TO COMPARE VOLUME volser - SOURCE DEVICE IS IN A NOT-READY STATE

**Cause**
The source device is currently not-ready and cannot be read to perform the compare.

**Action**
Make the device ready and run the request again.

**ESNPY04E**

UNABLE TO COMPARE VOLUME volser - TARGET DEVICE IS IN A NOT-READY STATE

**Cause**
The target device is currently not ready and cannot be read to perform the compare.

**Action**
Make the device ready and run the request again.
ESNPY10I

API COMPARE DATASET REQUEST PROCESSED

Cause
A COMPARE DATASET command was encountered by the API interface.

Action
None

ESNPY20I

API COMPARE VOLUME REQUEST PROCESSED

Cause
A COMPARE VOLUME command was encountered by the API interface.

Action
None

ESNPY30I

MISMATCH ON SYS1.VTOCIX DATASET NAME, YOU SHOULD MANUALLY VERIFY THESE CONTENTS

Cause
The SYS1.VTOCIX dataset contents do not verify. If the volume label has changed, or a dataset name has changed, or a dataset added or removed, this would be expected.

Action
None.

ESNPY31I

MISMATCH ON SYS1.VVDS DATASET NAME, YOU SHOULD MANUALLY VERIFY THESE CONTENTS

Cause
The SYS1.VVDS dataset contents do not verify. If the volume label has changed, or a dataset name has changed, or a dataset added or removed, this would be expected.

Action
None.
ESNPY32I

MISMATCH ON LABEL, YOU SHOULD MANUALLY VERIFY THESE CONTENTS

Cause
The label on the devices do not match.

Action
None.

ESNPY33I

MISMATCH IN VTOC INDEX (VIXM), YOU SHOULD MANUALLY VERIFY THESE CONTENTS

Cause
The SYS1.VTOCIX dataset contents do not verify. If the volume label has changed, or a dataset name has changed, or a dataset added or removed, this would be expected.

Action
None.

ESNPY34I

MISMATCH IN VTOC INDEX (VIER), YOU SHOULD MANUALLY VERIFY THESE CONTENTS

Cause
The SYS1.VTOCIX dataset contents do not verify. If the volume label has changed, or a dataset name has changed, or a dataset added or removed, this would be expected.

Action
None.

ESNPY35I

MISMATCH IN VTOC RECORD, YOU SHOULD MANUALLY VERIFY THESE CONTENTS

Cause
The VTOC contents do not verify. If the volume label has changed, or a dataset name has changed, or a dataset added or removed, this would be expected.

Action
None.
ESNPY36I

MISMATCH IN VVDS, YOU SHOULD MANUALLY VERIFY THESE CONTENTS

**Cause**
The VVDS dataset contents do not verify. If the volume label has changed, or a dataset name has changed, or a dataset added or removed, this would be expected.

**Action**
None.

ESNPY42E

EMC SNAP API - TIMEOUT - SESSION IS NOCOPY, CANNOT AUTO-TERMINATE

**Cause**
Waiting for a session to terminate, session is NOCOPY and will not auto-terminate.

**Action**
Use CONFIG to change the session to MODE(COPY). It should then auto-terminate after the copy is complete.
Use STOP SNAP to terminate and remove the session.

ESNPY43E

EMC SNAP API - TIMEOUT - MULTI-VIRTUAL ESTABLISH

**Cause**
While processing a multi-virtual establish, the operation timed out.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPY44E

EMC SNAP API - MULTI-VIRTUAL - SESSION GONE OR IN ERROR

**Cause**
While processing a multi-virtual establish, the session disappeared.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPY45E**

**EMC SNAP API - TIMEOUT - MULTI-VIRTUAL REMOVE**

**Cause**
While processing a multi-virtual terminate, the operation timed out and the session did not go away.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPY46E**

**EMC SNAP API - TIMEOUT - MULTI-DEVICE - SESSION NOT REMOVED**

**Cause**
While processing a multi-device terminate, the operation timed out and the session did not go away.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPY47E**

**EMC SNAP API - MULTI-DEVICE - BACKGROUND COPY STALLED**

**Cause**
While waiting for a multi-device background copy to complete, at least one minute passed when no tracks were copied.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
ESNPY48E

EMC SNAP API - MULTI-DEVICE - SESSION IN ERROR

Cause
While waiting for a multi-device background copy to complete, a session was marked in error.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPY49E

EMC SNAP API - TIMEOUT CREATING RESTORE SESSION

Cause
While processing a restore request, the operation timed out without the session being created.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPY50E

EMC SNAP API - BACKGROUND COPY STALLED

Cause
While waiting for a background copy to complete, at least one minute passed when no tracks were copied.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPY51E

EMC SNAP API - TIMEOUT - NATIVE EXTENT WITHDRAW
Cause
While waiting for a native extent withdraw to complete, the operation timed out without the extent being removed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPY52E

EMC SNAP API - TIMEOUT - NATIVE EXTENT ESTABLISH

Cause
While waiting for a native extent establish to complete, the operation timed out without the establish completing.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPY53E

EMC SNAP API - TIMEOUT - EXTENT ESTABLISH

Cause
While waiting for an extent establish to complete, the operation timed out without the establish completing.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPY54E

EMC SNAP API - TIMEOUT - SESSION NOT REMOVED

Cause
While processing a session terminate, the operation timed out and the session did not go away.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct
the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPY55E**

**EMC SNAP API - TIMEOUT - LAST REQUEST NOT COMPLETE**

**Cause**
While processing a request, the session disappeared or was marked in error.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available

**ESNPY56E**

**EMC SNAP API - ACTIVATE FAILED, THE SOURCE DEVICE HAS TRACKS TO BE COPIED**

**Cause**
A source device in the SNAP VOLUME command is a target that has tracks to be copied.

**Action**
Wait until all tracks are copied and retry.

**ESNPY60W**

**LOGPOOL poolname DOES NOT HAVE ANY ENABLED DEVICES WITH AVAILABLE TRACKS**

**Cause**
A SNAP VOLUME statement for a virtual device referenced a poolname that does not have any enabled log devices that have available track space.

**Action**
(1) To free up used space in a logpool, perform a STOP SNAP against a virtual device that is in the referenced pool.
(2) If there are disabled log devices in the pool with available track space, enabled some of the disabled devices.
(3) Specify a different log pool that has available track space.
ESNPY70E
UNABLE TO SNAP A DDEV DEVICE - xxxxx S/N nnnnnn-nnnnn/nnnn

Cause
The device specified is a DDEV device and may not be snapped.

Action
Choose another device.

ESNPY71E
UNABLE TO SNAP A COVD DEVICE - xxxxx S/N nnnnnn-nnnnn/nnnn

Cause
The device specified is a COVD device and may not be snapped.

Action
Choose another device.

ESNPY72E
UNABLE TO SNAP A MIGRATION DEVICE - xxxxx S/N nnnnnn-nnnnn/nnnn

Cause
The device specified is involved in a migration and may not be snapped.

Action
Choose another device.

ESNPY73E
UNABLE TO SNAP AN INTERNAL LOG DEVICE - xxxxx S/N nnnnnn-nnnnn/nnnn

Cause
The device specified is an internal log device and may not be snapped.

Action
Choose another device.

ESNPY74E
SELECTED TDEV IS NOT BOUND - vvvvv (SN sssssss-sssss/xxxx)

Cause
An operation has been requested with a thin device. The indicated device has not been bound to a data device in a thin pool.
Action
(1) Bind the device and retry the operation, or
(2) choose another device.

ESNPY75E

UNABLE TO SNAP AN FBA META DEVICE - xxxxxx S/N nnnnnnn-nnnnn/nnnn

Cause
An operation has been requested with an FBA meta device but FBA meta device processing has not been enabled.

Action
Specify ALLOW_FBA_META(Y) and retry.

ESNPY76I

TARGET R1 DEVICE, MODE(NOCOPY/VSE) IGNORED - vvvvvv (S/N xxxxxxx-xxxx/xxxx)

Cause
MODE(NOCOPY) or MODE(NOCOPYRD) or MODE(VSE) was specified and the statement targets a SRDF R1 device. These modes prevent the data from being physically copied to the R1 device, and thus the R2 device.

Action
No action required. MODE(NOCOPY) or MODE(NOCOPYRD) or MODE(VSE) will be ignored in this situation.

ESNPY77E

DEVICE IS NOT DEFINED - vvvvvv (S/N xxxxxxx-xxxx/xxxx)

Cause
The device specified is not a valid device in the storage system.

Action
Choose another device.

ESNPY78E

UNABLE TO SNAP A SPACE EFFICIENT DEVICE - vvvvvv (S/N xxxxxxx-xxxxx/xxxx)

Cause
A space efficient device may not be used for Snap/Clone operations.
Action
Choose another device (non-space efficient).

ESNPY79E

UNABLE TO SNAP A CKD META MEMBER DEVICE - vvvvvv (S/N xxxxxxx-xxxxx/xxxxx)

Cause
A CKD meta member device may not be used in a Snap/Clone operation.

Action
Typically, a CKD meta member is part of a Raid-10 device. Specify the head of the
Raid-10 device and the whole device (including all the members) will be Snapped/
Cloned.

ESNPY80E

UNABLE TO ALLOCATE DDNAME TO SOURCE DATASET - dsname

Cause
An attempt to allocate a ddname to the source dataset failed. This is necessary for
the type of logical data mover specified.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for
applicable solutions relating to this message ID. If you cannot determine and correct
the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the JOB log, and all relevant job documentation
available.

ESNPY81E

UNABLE TO ALLOCATE DDNAME TO TARGET DATASET - dsname

Cause
An attempt to allocate a ddname to the target dataset failed. This is necessary for the
type of logical data mover specified.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for
applicable solutions relating to this message ID. If you cannot determine and correct
the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the JOB log, and all relevant job documentation
available.

ESNPY82E

IDCAM REPRO FAILED FOR SOURCE DATASET - dsname
Cause
The IDCAMS REPRO logical data mover operation failed.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPY91E

CONTROLER LICENSE DISALLOWS THIN OPERATIONS - SERIAL#: nnnnnnn-nnnnn

Cause
The storage system LFC does not allow thin device operations on the specified storage system.

Action
Add the thin device license code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPY92E

@EMCKFI FAILED CHECKING CONTROLLER nnnnnnn-nnnnn, R15: xxxxxxxx R0: xxxxxxxxxxx

Cause
#EMCKFI returned an error while attempting to check the LFC for the specified storage system.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPY93E

TO FIND OUT MORE OR OBTAIN THE NECESSARY LFC CONTACT YOUR LOCAL EMC SALES REPRESENTATIVE

Cause
A thin device operation was attempted without enabled the feature.

Action
Add the thin device licensed feature code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.
ESNPY94E

UNABLE TO VALIDATE CONTROLLER LICENSE, CONTROLLER NOT DEFINED TO SCF - S/N xxxxxxx-xxxxx

Cause
An attempt to validate the controller license failed. The device storage system is not defined to SCF.

Action
Either review the SCF devices and ensure that the device is included in SCF or correct the device reference to a valid SCF device.

ESNPY95E

TO FIND OUT MORE OR OBTAIN THE NECESSARY ELC CONTACT YOUR LOCAL EMC SALES REPRESENTATIVE

Cause
A thin device operation was attempted without enabled the feature.

Action
Add the thin device eLicenses to your storage systems. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPZ00E

EMC SNAP API - I/O ERROR SNAP/SNAP MULTI DEVICE VIRTUAL

Cause
An I/O error occurred while attempting to copy a virtual device to another virtual device.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

ESNPZ01E

EMC SNAP API - I/O ERROR PERFORMING NATIVE EXTENTS ACTIVATE

Cause
An I/O error occurred while attempting to active a consistent dataset snap.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct
the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

**ESNPZ02E**

**EMC SNAP API - I/O ERROR PERFORMING MULTI-DEVICE VIRTUAL TERMINATE**

**Cause**
An I/O error occurred while terminating a VDEV session.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

**ESNPZ03E**

**EMC SNAP API - I/O ERROR PERFORMING MULTI-DEVICE VIRTUAL ACTIVATE**

**Cause**
An I/O error occurred while activate a VDEV session.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

**ESNPZ04E**

**EMC SNAP API - I/O ERROR PERFORMING MULTI-DEVICE VIRTUAL RESTORE**

**Cause**
An I/O error occurred while attempting to restore a VDEV.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

**ESNPZ05E**

**EMC SNAP API - I/O ERROR PERFORMING MULTI-DEVICE VIRTUAL ESTABLISH**

**Cause**
An I/O error occurred while establishing a VDEV session.
Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

ESNPZ06E

EMC SNAP API - MISSING REQUIRED MICROCODE FIX - xxxxx

Cause
The indicated fix is required for this operation, but not found in the storage system.

Action
Contact Dell EMC Customer Support to have the fix installed on the storage system.

ESNPZ07E

EMC SNAP API - SOURCE VDEV NOT ESTABLISHED

Cause
An attempt has been made to copy a source virtual device to another device. The source virtual device has not been established.

Action
Either choose another device or establish the source virtual device.

ESNPZ08E

EMC SNAP API - I/O ERROR, QUICK CONFIG

Cause
A syscall (0191) I/O failed with the indicated return code.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPZ09E

EMC SNAP API - I/O ERROR WITHDRAWING EXTENTS IN EXTENT TRACK

Cause
An I/O error occurred while withdrawing extents from the extent track.
**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPZ10E**

**ALLOW_FLASHCOPY(YES/NO) NOT VALID FOR VIRTUAL DEVICES**

**Cause**
ALLOW_FLASHCOPY(YES) or ALLOW_FLASHCOPY(NO) was specified. This is only valid if used with Dell EMC standard devices.

**Action**
Remove the ALLOW_FLASHCOPY parameter from the CONFIG statement.

**ESNPZ11E**

**RDF_TRACK_LEVEL_CONSISTENCY(NO) ONLY VALID FOR EMC DEVICES**

**Cause**
Request to change RDF_TRACK_LEVEL_CONSISTENCY is being issued for non-Dell EMC devices.

**Action**
Only use RDF_TRACK_LEVEL_CONSISTENCY with Dell EMC devices.

**ESNPZ12E**

**RDF_TRACK_LEVEL_CONSISTENCY(NO) NOT VALID FOR VIRTUAL DEVICES**

**Cause**
A request for RDF_TRACK_LEVEL_CONSISTENCY is being used with virtual devices.

**Action**
Do not use RDF_TRACK_LEVEL_CONSISTENCY with virtual devices.

**ESNPZ13I**

**SET_SNAPSHOT_SECURE REQUEST COMPLETED**

**Cause**
The request to set the snapshot secure completed successfully.

**Action**
None.
ESNPZ14E
SET SNAPSHOT SECURE REQUEST FAILED

Cause
The request to set the snapshot secure has failed.

Action
Investigate the reason for the failure, correct the problem and retry.

ESNPZ15I
SET LINK TARGET HOLD REQUEST COMPLETED

Cause
Setting the hold on the target device completed successfully.

Action
None.

ESNPZ16I
RELEASE LINK TARGET HOLD REQUEST COMPLETED

Cause
Releasing the hold on the target device completed successfully.

Action
None.

ESNPZ20I
SET REPLICATION REQUEST COMPLETED

Cause
The request to set REPLICATION has completed.

Action
None.

ESNPZ21E
SET REPLICATION REQUEST FAILED

Cause
The request to set REPLICATION has failed.
Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

ESNPZ22I

**SET REPLICATION IS ONLY SUPPORTED ON MICROCODE LEVELS 5X75 AND HIGHER**

Cause
A CONFIG request to change the "inhibit outboard copy" setting has failed. The operating environment of the storage system does not support this operation.

Action
Review the IBM documentation and utilize the IBM utilities to change the "inhibit outboard copy" setting.

ESNPZ30I

**INTERNAL PRINT BUFFER OVERFLOW, STORED PRINT follows**

Cause
Internal memory holding print buffer images is full. The current contents will be printed.

Action
None.

ESNPZ31I

**INTERNAL PRINT BUFFER OVERFLOW, STORED PRINT follows**

Cause
Internal memory holding print buffer images is full. The current contents will be printed.

Action
None.

ESNPZ40E

**INTERNAL EXTENT TABLE SIZE EXCEEDED**

Cause
Too many extents are being referenced at one time.

Action
Break up the single command into multiple commands.
ESNPZ41E

INTERNAL SORT FAILED WITH CODE xxx

**Cause**
The internal sort has failed with the indicated code.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESNPZ42I

**Cause**
Informational message about dataset extents. For each extent, the extent number, volser, starting and ending CCcH, session id, and the number of differential tracks for the source and target.

**Action**
None.

ESNPZ50I

**Cause**
Internal Dell EMC Lab use detected. Certain default values are overridden.

**Action**
None.

ESNPZ51I

**Cause**
Refer to msg ESNPZ50I. This message identifies a overridden value.

**Action**
None.
ESNPZ60W | ESNPZ60E

**Cause**

PARALLEL_CLONE(YES) was specified. The operating environment level on the storage system does not support parallel clone.

When PARALLEL_CLONE is set to REQUIRED, this message is issued as an error message; otherwise, it is a warning.

**Action**

None. Parallel clone will not be used.

ESNPZ61W | ESNPZ61E

**Cause**

PARALLEL_CLONE(YES) was specified. There are several conditions that must be met for parallel clone to be used. One is that the source and target devices must be in the same storage system. Another is that the corresponding R2 devices must be together in the same remote storage system.

When PARALLEL_CLONE is set to REQUIRED, this message is issued as an error message; otherwise, it is a warning.

**Action**

None. Parallel clone will not be used.

ESNPZ62W | ESNPZ62E

**Cause**

The target device of a SNAP operation does not have an active R2 device that a parallel clone operation requires.

When PARALLEL_CLONE is set to REQUIRED, this message is issued as an error message; otherwise, it is a warning.

**Action**

If the parallel clone is required, ensure that the target device is an R1 device that has an active R2 device. If the parallel clone operation is not required, set PARALLEL_CLONE to NO.
ESNPZ63W | ESNPZ63E

**PARALLEL_CLONE REQUESTED, srctgt HAS SRDF/A R2 ATTACHED**

**Cause**
PARALLEL_CLONE(YES) was specified. The indicated device (SOURCE or TARGET) has an SRDF/A R2 attached.

When PARALLEL_CLONE is set to REQUIRED, this message is issued as an error message; otherwise, it is a warning.

**Action**
None. Parallel clone will not be used.

ESNPZ64W | ESNPZ64E

**PARALLEL_CLONE REQUESTED, NO REMOTE MATCHES FOUND BETWEEN SOURCE AND TARGET DEVICES**

**Cause**
PARALLEL_CLONE(YES) was specified. There are several conditions that must be met for parallel clone to be used. One is that the source and target devices must be in the same storage system. Another is that the corresponding R2 devices must be together in the same remote storage system.

When PARALLEL_CLONE is set to REQUIRED, this message is issued as an error message; otherwise, it is a warning.

**Action**
None. Parallel clone will not be used.

ESNPZ65W | ESNPZ65E

**PARALLEL_CLONE REQUESTED, srctgt IS AN R11**

**Cause**
PARALLEL_CLONE(YES) was specified. R11 devices are not supported with parallel clone.

When PARALLEL_CLONE is set to REQUIRED, this message is issued as an error message; otherwise, it is a warning.

**Action**
None. Parallel clone will not be used.

ESNPZ66W | ESNPZ66E

**PARALLEL_CLONE REQUESTED, srctgt DEVICE IS NOT A R1 DEVICE**
**Cause**
PARALLEL_CLONE(YES) was specified. Both the source and target devices must be active R1 devices.

When PARALLEL_CLONE is set to REQUIRED, this message is issued as an error message; otherwise, it is a warning.

**Action**
None. Parallel clone will not be used.

---

**ESNPZ67W | ESNPZ67E**

PARALLEL_CLONE REQUESTED, srctgt DEVICE IS A FBA DEVICE, NOT SUPPORTED

**Cause**
PARALLEL_CLONE(YES) was specified. Parallel clone is only supported on CKD devices.

When PARALLEL_CLONE is set to REQUIRED, this message is issued as an error message; otherwise, it is a warning.

**Action**
None. Parallel clone will not be used.

---

**ESNPZ68W | ESNPZ68E**

PARALLEL_CLONE REQUESTED, R2 DEVICE IS NOT ACTIVE ON LINK

**Cause**
PARALLEL_CLONE(YES) was specified. Both the source and target devices must be active R1 devices with active connections to the corresponding R2 devices.

When PARALLEL_CLONE is set to REQUIRED, this message is issued as an error message; otherwise, it is a warning.

**Action**
None. Parallel clone will not be used.

---

**ESNPZ69W | ESNPZ69E**

PARALLEL_CLONE REQUESTED, R2 DEVICE MUST BE SAME SIZE AS R1 DEVICE

**Cause**
PARALLEL_CLONE(YES) was specified. The R1 and R2 devices must be configured as the same size device.

When PARALLEL_CLONE is set to REQUIRED, this message is issued as an error message; otherwise, it is a warning.

**Action**
None. Parallel clone will not be used.
ESNPZ6AW | ESNPZ6AE

PARALLEL_CLONE REQUESTED, LOCAL MICROCODE LEVEL - level WITH REMOTE MICROCODE LEVEL - level NOT SUPPORTED

**Cause**
Parallel clone was requested but the combination of the indicated operating environment levels is not supported for parallel clone.

When PARALLEL_CLONE is set to REQUIRED, this message is issued as an error message; otherwise, it is a warning.

**Action**
None. Parallel clone will not be used.

ESNPZ70E

UNABLE TO ALLOCATE DATASET, EXTENT ALLOCATION REQUIRED, BUT NOT AVAILABLE

**Cause**
The request to allocate a dataset cannot occur. Because of the dataset type (refer to following message), allocation of the dataset requires extent allocation. But the user has specified EXTENT_ALLOCATION(NO), preventing this from occurring.

**Action**
Rerun and specify omit the EXTENT_ALLOCATION parameter, or specify EXTENT_ALLOCATION(YES).

ESNPZ71I

POTENTIAL CI/CA ISSUE BASED ON ALLOCATION SPACE

**Cause**
The source dataset primary space allocation is less than the secondary space allocation and the total space is greater than the primary space allocation and the allocation unit size is less than one cylinder.

**Action**
Extent allocation is required. Refer to message ESNPZ70E.

ESNPZ72I

POTENTIAL CI/CA ISSUE, CA SIZE HAS TO BE 1, 3, 5, 7, 9, OR 15 TRACKS

**Cause**
The source dataset CA size is not 1, 3, 5, 7, 9 or 15. When using zOS allocation methods, the new target dataset will have a CA size of 1, 3, 5, 7, 9 or 15. This is not compatible.
Action
Extent allocation is required. Refer to message ESNPZ70E.

ESNPZ73I

EXTENDED FORMAT DATASET WITH STRIPE COUNT = 1

Cause
The source dataset is a non-VSAM extended format dataset with stripe count of 1.

Action
Extent allocation is required. Refer to message ESNPZ70E.

ESNPZ74I

COMPRESSED DATASET TOO SMALL FOR COMPRESSED ATTRIBUTE

Cause
The source dataset is a compressed dataset, but is too small for the compressed attribute. This can occur when a dataset is originally allocated large enough to be compressed, but then has unused space released.

Action
Extent allocation is required. Refer to message ESNPZ70E.

ESNPZ75I

COMPRESSED DATASET TOO SMALL FOR COMPRESSED ATTRIBUTE

Cause
The source dataset is a compressed dataset, but is too small for the compressed attribute. This can occur when a dataset is originally allocated large enough to be compressed, but then has unused space released.

Action
Extent allocation is required. Refer to message ESNPZ70E.

ESNPZ76W

CONSISTENCY ON THE REMOTE SIDE CANNOT BE GUARANTEED

Cause
The operating environment is not in a state that enables a parallel clone operation. The PARALLEL_CLONE parameter is not set to REQUIRED so processing continues but without parallel cloning. There is a message prior to this one that defines what caused parallel cloning to be switched off.

Action
If parallel cloning is required, examine the QCOUTPUT log file for a warning message that describes the configuration problem and, optionally, set PARALLEL_CLONE to
REQUIRED if failing the job when parallel cloning cannot be achieved is the desired outcome.

**ESNPZ80I**

**UNABLE TO OBTAIN IOCTOKEN FROM IOCINFO, RC=xxxxxxxx, RS=xxxxxxxx**

**Cause**
An attempt to obtain the IOCTOKEN from zOS using IOCINFO has failed.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPZ90E**

**UNABLE TO PIN UCB (xxxxxxxx), REASON=xxxxxxxx**

**Cause**
An attempt to PIN the UCB has failed.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**ESNPZ91E**

**UNABLE TO PIN UCB, CONFIGURATION CHANGE DETECTED**

**Cause**
An attempt to PIN the UCB has failed. A configuration change has been detected. When EMCSNAP initiates, IOCINFO is used to obtain a configuration token. A configuration change has occurred that has changed the value of the valid token.

**Action**
Rerun the job. Make sure that EMCSNAP is not run while configuration changes are occurring.

**ESNPZ92E**

**UNABLE TO PIN UCB, UNKNOWN ERROR OCCURRED**

**Cause**
An attempt to PIN the UCB has failed.
Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESVP001S
ERROR, NO PARAMETER

Cause
No parameters supplied.

Action
Correct and submit again.

ESVP002S
ERROR, NOT APP AUTHORIZED

Cause
The library containing EMCSNVPS is not authorized.

Action
Authorize the library and submit again.

ESVP010E
INVALID REQUEST

Cause
The request is not a valid QUERY or SET.

Action
Correct and submit again.

ESVP011E
VOLUMEPREFERENCING KEYWORD MISSING FROM QUERY REQUEST

Cause
Missing keyword.

Action
Correct and submit again.
ESVP012E

**VOLUMEPREFERENCING KEYWORD MISSING FROM SET REQUEST**

**Cause**
Missing keyword.

**Action**
correct and submit again.

ESVP013E

**STATUS PARAMETER REQUIRED ON SET REQUEST**

**Cause**
Required parameter missing.

**Action**
correct and submit again.

ESVP020I

**IT APPEARS THAT THE EMC VOLUME PREFERENCING SELECTION EXIT IS NOT IN PLACE - CODE**

**Cause**
Check that the intercept utility EMCVLPRF is installed and activated.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESVP021I

**EMC VOLUME PREFERENCING SELECTION EXIT IS INSTALLED AND ACTIVE**

**Cause**
Informational.

**Action**
None.
ESVP022I

EMC VOLUME PREFERENCING SELECTION EXIT IS NOT IN PLACE

**Cause**
Check that the intercept utility EMCVLPRF is installed and activated.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the EMDell EMCC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESVP023I

EMC VOLUME PREFERENCING SELECTION EXIT WAS ALREADY INACTIVE

**Cause**
The EMCVLPRF exit has already been made inactive.

**Action**
None.

ESVP024I

EMC VOLUME PREFERENCING SELECTION EXIT WAS ALREADY INSTALLED AND ACTIVE

**Cause**
Another attempt to activate the EMCVNPRF exit was made after it was already active.

**Action**
None.

ESVP025E

UNKNOWN ERROR OCCURRED, EMC VOLUME PREFERENCING SELECTION EXIT ACTIVATE FAILED

**Cause**
Unknown.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESVP026I

EMC VOLUME PREFERENCING SELECTION EXIT SUCCESSFULLY ACTIVATED

Cause
Informational.

Action
None.

ESVP027E

UNABLE TO LOCATE EMC VOLUME PREFERENCING SELECTION EXIT IN STEPLIB/LINKLIST

Cause
EMCVNPRF not found.

Action
Install EMCVNPRF in a STEPLIB or valid LINKLIST library and submit again.

ESVP028I

EMC VOLUME PREFERENCING SELECTION EXIT SUCCESSFULLY REMOVED

Cause
The indicated exit has been removed.

Action
None.

ESVP029I

EMC VOLUME PREFERENCING SELECTION EXIT IS INSTALLED AND NOT ACTIVE

Cause
The indicated exit is installed and not active.

Action
None.

ESVP030E

UNKNOWN ERROR OCCURRED, EMC VOLUME PREFERENCING SELECTION EXIT DEACTIVATE FAILED
Cause
An unknown error occurred.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

ESVP031I

IT APPEARS THAT THE EMC VOLUME VERIFICATION EXIT IS NOT IN PLACE CODE

Cause
The indicated exit cannot be found.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

ESVP032I

EMC VOLUME VERIFICATION EXIT IS INSTALLED AND ACTIVE

Cause
The indicated exit is installed and active.

Action
None.

ESVP033E

UNKNOWN ERROR OCCURRED, EMC VOLUME VERIFICATION EXIT ACTIVATE FAILED

Cause
Exit activation failed due to an unknown error.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation.

ESVP034I

EMC VOLUME VERIFICATION EXIT SUCCESSFULLY ACTIVATED
Cause
The indicated exit has been activated.

Action
None.

ESVP035E

UNABLE TO LOCATE EMC VOLUME VERIFICATION EXIT IN STEPLIB/LINKLIST

Cause
EMCVNPRF not found.

Action
Install EMCVNPRF in a STEPLIB or valid LINKLIST library and submit again.

ESVP036I

EMC VOLUME VERIFICATION EXIT WAS ALREADY INSTALLED AND ACTIVE

Cause
The indicated exit is already installed and active.

Action
None.

ESVP037E

UNKNOWN ERROR OCCURRED, EMC VOLUME VERIFICATION EXIT DEACTIVATE FAILED -

Cause
Exit deactivation failed due to an unknown error.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

ESVP038I

EMC VOLUME VERIFICATION EXIT SUCCESSFULLY REMOVED

Cause
The indicated exit has been removed.

Action
None.
ESVP039I

EMC VOLUME VERIFICATION EXIT IS NOT IN PLACE

**Cause**
EMCVNPRF not found.

**Action**
Install EMCVNPRF in a STEPLIB or valid LINKLIST library and submit again.
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Messages ending with -E, -W or -I

zDP messages can be returned as either E (error), W (warning) or I (informational), depending on the value set for the MAXRC parameter of the GLOBAL command. For example, message EIP0052 can be either EIP0052W or EIP0052E.

For details on how MAXRC influences the message suffix, refer to the description of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder SnapVX and zDP Product Guide.

EIP0001I

*** Dell EMC zDP - Vv.r.m (ptf) - SCF Vv.r.m (ptf) *** hh:mm:ss mm/dd/yyyy Page nnnn

Cause
Report header for the zDP Definition Utility (EIPINIT).

Action
None

EIP0002I

All control statements processed, highest RC nn

Cause
This message is issued from the Definition Utility after all input statements have been processed. RC nn displays the highest return code encountered during processing.

Action
Investigate the cause of any error conditions.

EIP0003I

zDP environment removed

Cause
This message is issued by the Definition Utility when the last VDG is removed.

Action
None. This is an informational message to indicate the zDP environment has been completely removed from the system.

EIP0004W

OPEN failed for ddname

Cause
The Open for DDNAME ddname failed.
Action
SYSIN and SYSPRINT are required.

**EIP0005W**

Only one GLOBAL statement is allowed

**Cause**
The SYSIN file contains multiple GLOBAL statements.

**Action**
Revise the SYSIN file to contain one GLOBAL statement. The GLOBAL statement should be the first statement in the input file.

**EIP0006W**

VDG | TGT name not found

**Cause**
A command failed due to a non-existent VDG or TGT name.

**Action**
Review the command to ensure the correct VDG or TGT name was specified.

**More Information**
To display all defined objects, issue a QUERY command specifying * for the name; for example QUERY VDG(*).

**EIP0007W**

parameter not specified for command

**Cause**
A required parameter was not specified for the command.

**Action**
Correct the statement in error and resubmit the job.

**EIP0008W**

No devices specified for a device function

**Cause**
No devices were specified for a device ADD or REMOVE command.

**Action**
Specify at least one device for the ADD or REMOVE command.
EIP0009W

SYM table not found for Gatekeeper ccuu

**Cause**
An existing SYM table was not found for a device REMOVE request.

**Action**
Ensure the gatekeeper ccuu references the correct storage system.

EIP0010W

Device devnum not found

**Cause**
The device number for a REMOVE request was not found

**Action**
Ensure an existing device number is specified for the REMOVE command.

EIP0011E

CCUU not supported with REMOTE, VDG | TGT name, SYMM gk/serial_number

**Cause**
An MVS device number is not supported on a REMOTE command; a PowerMax/VMAX device number must be specified.

**Action**
Revise the command to specify a PowerMax/VMAX device number, either with the SYMDEV keyword or via GNS.

EIP0012W

Exceeded maximum VDGs | TGTs, MAX_XXX is nn

**Cause**
The maximum number of VDGs or TGTs has been defined.

**Action**
Review the zDP environment. If additional objects are required, increase the maximum by specifying the MAXVDG or MAXTGT keyword.

EIP0013W

Invalid device range
Cause
An invalid device range was specified. The end device number must be higher than the start device number.

Action
Revise the device list to specify a valid device range.

EIP0014I
VDG | TGT name deleted

Cause
The indicated VDG or TGT has been successfully deleted

Action
None, informational.

EIP0015W
Duplicate device devnum removed from VDG | TGT name, SYMM gk/serial_num

Cause
An existing or duplicate zDP device number was specified on an ADD command. The duplicate device was removed from the definition.

Action
Validate the configuration to ensure all desired devices are included in the zDP definition. For processing efficiency, all devices being added are accumulated in an internal buffer and sorted after all input commands have been processed.

EIP0016I
Removing empty SYMM, gk/serial_num

Cause
When all devices for a storage system are removed from the zDP definition, the storage system entry is also removed.

Action
None, informational.

EIP0017W
Removing non-empty SYMM, gk/serial_num

Cause
As a result of the ALLOWNONEMPTY keyword on the DELETE VDG or TGT command, all zDP storage system definitions will be removed, including those with
configured zDP devices. This message is issued for each non-empty zDP storage system.

**EIP0018E**

Non-empty VDG | TGT name not deleted

**Cause**
A DELETE command was issued for a VDG or TGT definition with configured zDP devices. The command is rejected.

**Action**
To delete the object, either specifically remove all devices from the VDG or TGT definition or resubmit the command with the ALLOWNONEMPTY keyword. Note that ALLOWNONEMPTY (ALLOWNE) requires MAXRC(4) or higher.

**EIP0018W**

Non-empty VDG | TGT name not deleted

**Cause**
A DELETE command was issued for a VDG or TGT definition with configured zDP devices. The command is rejected.

**Action**
To delete the object, either specifically remove all devices from the VDG or TGT definition or resubmit the command with the ALLOWNONEMPTY keyword. Note that ALLOWNONEMPTY (ALLOWNE) requires MAXRC(4) or higher.

**EIP0019W**

CCUU | SYMDEV devnum not added to SYMM gk/serial_num - reason

**Cause**
The device was not added due to the indicated *reason*.

**Action**
Correct the error and resubmit the job.

**EIP0020I**

VDG vdg_name is Active | Paused | Inactive

**Cause**
Displays VDG status as a result of a QUERY VDG command. When the status is Active, the next scheduled cycle time displays as: next cycle at *hh:mm:ss*. 
EIP0021I

Cycle_Time(mm, count[,SECURE, ddd[,skip]]), Cycle_Overflow(IMMED|NEXT), Consistent(YES|NO),
Timeout(ss, CONT|STOP),
Terminate_Policy(OLDEST|STOP),
SRP_Warn%(nn), SRP_Snap%(nn), SRP_Term%(nn), RDP_Cache_Util%(nn,nn),
Max_Snapsets(nn), Saved_Snapsets(ddd,nnnn[,SECURE[,skip]]), Persistent_Copy_Limit(nn),
Log_Opt(SCF|SYSOUT(ddname)),
SMF(nn),
MAXRC(nn), DEBUG(options)

Cause
This message displays the VDG attributes resulting from a QUERY VDG command.

Action
None, informational.

EIP0022I

Device Query for VDG name

Cause
This message provides the header for a device query as a result of a QUERY VDG command with the "device" option.

Action
None, informational.

EIP0023I

SYMM serial_num, Microcode level major_minor, Type system_type

Cause
Displays the storage system serial number, the operating environment level, and the storage system type for each storage system configured in a VDG.

Action
None, informational.

EIP0024I

Gatekeeper ccuu, Device count nnnn[, Snapset Count: nnn [, Remote (xx[.xx])]]

Cause
Displays the gatekeeper CCUU, device count, snapshot count, and for a remote definition, the SRDF groups from the local to the target storage system.
**EIP0025I**

Action
None.

SRP ID/Name: id/name, Reserved Capacity: nn%

Cause
Displays the Storage Resource Pool (SRP) ID, name and reserved capacity percentage of the SRP.

Action
None, informational. Normally only one SRP is configured per storage system. If multiple SRPs are configured, only SRPs associated with devices in the VDG or TGT will be displayed.

**EIP0026I**

Total Capacity: nnn, Total Allocated: nnn, Snap Allocated: nnn

Cause
Displays the Total capacity, Total allocated and Snap allocated tracks for the Storage Resource Pool for the storage system. Note that track values greater than 99999 are displayed in units of K, M, or G.

Action
None, informational.

**EIP0027I**

CCUU DEVICE TYPE SIZE RDF INFO/MODE COPY_ONCE
SSET _____ _____ _______ ________________________________

Cause
This is the header for a device display, on behalf of a QUERY VDG command with the DEVICE option.

Action
None, informational.

**EIP0028I**

Format 1:

ccuu symdev allocated-tracks free-status
Format 2:

```
c uu symdev[/O] CKD|FBA size srdf_info [srcdev/ccuu] [copy-once-snapset]
```

**Cause**

Format 1 shows the values of the QUERY FREE report:

- **ccuu**: 
  - z/OS device number or "----" if not addressed.

- **symdev**: 
  - PowerMax/VMAX device number.

- **allocated-tracks**: 
  - The number of allocated tracks.

- **free-status**: 
  - The status of the FREE process.

Format 2 is a device display:

- **ccuu**: 
  - z/OS device number or "----" if not addressed.

- **symdev**: 
  - PowerMax/VMAX device number. "/O" indicates a copy-once device.

- **CKD|FBA**: 
  - Device type.

- **size**: 
  - Device size (in tracks).

- **srdf_info**: 
  - SRDF type (R1, R2, R11, R21 or R22) and for an active R2: R2 group, R1 group / status. (S =Synchronous, A =Asynchronous (SRDF/A), ADC =Adaptive Copy)

- **srcdev/ccuu**: 
  - Source PowerMax/VMAX device number and CCUU for linked devices for a QUERY TGT.

- **copy-once-snapset**: 
  - Indicates the last saved snapset containing the copy-once device.

**Action**

None.

---

**EIP0029I**

```
TGT name is {not linked | linked, SNAPSET snapset_name}
```

**Cause**

Displays the TGT name and status, "not linked" or "linked" and if linked, the snapshot name.
EIP0030I

Device Query for TGT name

Cause
Header for a TGT Device Query, on behalf of a QUERY TGT command with the "devices" keyword.

Action
None, informational.

EIP0032I

CCUU | SYMDEV nnnnnn added to SYMM gk/serial_num

Cause
This message is issued as a result of a device ADD command with VERBOSE mode enabled. One message is issued for each device added to the zDP configuration.

Action
None, informational.

EIP0033I

CCUU | SYMDEV nnnnnn removed from SYMM gk/serial_num

Cause
This message is generated from a device REMOVE command with VERBOSE mode enabled. One message is issued for each device removed from the zDP configuration.

Action
None, informational.

EIP0034I

command command completed

Cause
Indicates the completion of command processing.

Action
None, informational.
**EIP0035I**

Snapset Query for VDG name [(COPY_ONCE)]

**Cause**
This message is the header for a Snapset Query, issued on behalf of a QUERY VDG command with the SNAPSET keyword.

(COPY_ONCE) indicates that only snapsets that contain copy-once devices in the current VDG are shown in the report.

**Action**
None, informational.

**EIP0036I**

<table>
<thead>
<tr>
<th>EXPIRATION</th>
<th>CREATE</th>
<th>SOURCE_TRACKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SNAPSET_NAME</td>
<td>STATE</td>
<td>DATE</td>
</tr>
<tr>
<td>TIME</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Cause**
This is the report header for a Snapset Query, on behalf of a QUERY VDG command with the SNAPSET keyword.

**Action**
None, informational.

**EIP0038I**

<table>
<thead>
<tr>
<th>snapset_name</th>
<th>state</th>
<th>date/time</th>
<th>changed</th>
<th>unique</th>
<th>srcdev/ccuu</th>
<th>tgtdev/ccuu</th>
</tr>
</thead>
</table>

**Cause**
Displays detail (device level) snapset info, on behalf of a QUERY VDG SNAPSET command with the DETAIL keyword. One message is issued for each device in the VDG.

*snapset name* is the name of the snapset.
*state* is the state of the snapset; *ACT* (Active), *LNK* (Linked) or *RST* (Restored) qualifiers are ",-S" and ",-P", to indicate a "Saved" or "Preserved" snapset.
*date/time* displays the date and time the snapset was created.
*changed* and *unique* are the changed and unique tracks for the source volume.
*srcdev/ccuu* and *tgtdev/ccuu* display the source and target device numbers.

**Action**
None, informational.
**EIP0039I**

<table>
<thead>
<tr>
<th>snapshot_name</th>
<th>state-qualifier</th>
<th>date/time</th>
<th>changed/unique</th>
<th>date/time(expiration)</th>
</tr>
</thead>
</table>

*Cause*
Displays summary snapshot info on behalf of a QUERY VDG SNAPSET command. One message is issued per snapshot.

*snapshot_name* is the name of the snapshot.

*state* displays the snapshot state: ACT (Active), LNK (Linked) or RST (Restored)

*qualifier* values are as follows: "S" for saved snapsets, "P" for persistent snapsets, "I" for secure snapsets.

*date/time* is the date and time the snapshot was created.

*changed/unique* displays the total number of changed and unique tracks (within the snapshot) for the source device.

Expiration *date/time* is displayed for saved snapsets; this is the time the snapshot expires (terminates).

*Action*
None, informational.

**EIP0040W**

**CCUU | SYMDEV nnnnnn removed from SYMM**  

*gk/serial_num* - max TDEV

*Cause*
The device was removed from the zDP definition because the thin device maximum value was exceeded.

*Action*
Review the configuration for accuracy. The max TDEV count is set based upon the current highest thin device number configured in the storage system.

**EIP0041I**

**REMOTE optimized to ra**

*Cause*
The specified SRDF group list has been optimized to use a shorter path to the remote storage system.

*Action*
Review the zDP configuration to ensure the correct SRDF groups were specified on the ADD command.
EIP0042E

Invalid VDG name

**Cause**
An invalid VDG name was specified. The rules for a VDG name are: 1-15 alpha-numeric characters and special characters dash (\-) and underscore (_), periods are not allowed.

**Action**
Resubmit the request, specifying a valid VDG name.

EIP0043E

* 

**Cause**
Issued after message EIP0042E, to mark the position of the first invalid character in the VDG name.

**Action**
Correct the VDG name and resubmit the request.

EIP0044W

VDG name is active, Delete not allowed

**Cause**
The VDG is currently active and a delete is not allowed.

**Action**
To delete the VDG definition, stop zDP (F scf,ZDP,STOP vdg_name) and resubmit the request.

EIP0045E

VDG | TGT name, SnapVX not supported on MCL mcl, SYMM gk/serial_num

**Cause**
SnapVX requires PowerMaxOS 5978 or HYPERMAX OS 5977.

**Action**
Resubmit the command, specifying devices on a storage system with PowerMaxOS 5978 or HYPERMAX OS 5977.
EIP0046W

Snapset Query failed for SYMM gk/serial_num

Cause
A Snapset Query failed for the indicated storage system. This message will be preceded by EIP0115E, displaying the return codes from the API call.

Action
Investigate the reason for the error based upon the return codes displayed by EIP0015E.

EIP0047W

TGT name, insufficient controllers defined for LINK

Cause
The devices in the VDG span more storage systems than are defined in the target set.

Action
Review the devices in the VDG and TGT. Add additional devices to the TGT for each storage system defined in the VDG. There must be at least as many defined TGT devices in each storage system matching the device types defined in the VDG.

EIP0048W

SYMM gk/serial_num not found for LINK

Cause
The identified storage system is not defined in the target set.

Action
Add sufficient devices to the TGT of the same type and size to account for the number of systems/devices defined in the VDG.

EIP0049W

SYMM gk/serial_num, insufficient devices for LINK, def# defined, req# required

Cause
The indicated storage system in the target set does not contain sufficient devices to perform a LINK operation; def# devices are defined, req# are required.

Action
Add additional devices to the TGT storage system to meet the required number and type of devices.
**EIP0050I**

SYMM gk/serial_num, Terminating SNAPSET name

**Cause**
The indicated snapset will be terminated.

**Action**
None, informational.

**EIP0051I**

Terminating Snapshot for device nnnnnn

**Cause**
The snapshot for device nnnnnn will be terminated.

**Action**
None, informational.

**EIP0052E**

SYMM gk/serial_num, TERMINATE failed, RC rc

**Cause**
A snapset Terminate failed with return code rc. The snapset name is indicated in the preceding EIP0050I message.

**Action**
Review the joblog for additional messages describing the error. Contact the Dell EMC Customer Support Center for assistance.

**EIP0053I**

SYMM gk/serial_num, Linking SNAPSET name

**Cause**
A LINK will be processed for the indicated snapset.

**Action**
None, informational.

**EIP0054I**

Linking devices srcdev/tgtdev Unlinking Source | Target device nnnnnn
**EIP0055I**

SYMM  \textit{gk/serial\_num}, Unlinking [TGT \textit{name} | Snapset \textit{name}]

**Cause**
An Unlink command is processing. The snapset is displayed if the LINK was the result of a RESTORE, otherwise, the target set is displayed.

**Action**
None, informational.

**EIP0056W**

SYMM  \textit{gk/serial\_num}, [LINK | UNLINK] failed, RC  \textit{rc}

**Cause**
A Link or Unlink command failed with the indicated return code. The related snapset or target set is displayed on a preceding message.

**Action**
Review the joblog for additional messages describing the error. Contact the Dell EMC Customer Support Center for assistance.

**EIP0057W**

TGT \textit{name} is already Linked, SNAPSET \textit{name}

**Cause**
The target set is already linked with the indicated snapset.

**Action**
Resubmit the Link specifying another TGT, or issue an Unlink for the target set.

**EIP0058E**

TGT \textit{name} is not Linked

**Cause**
An Unlink could not be processed because the target set is not linked.
EIP0059E

**Action**
Verify the status of the target set.

**EIP0060I**

**TERMINATE not allowed, SNAPSET name is Linked**

**Cause**
The snapset is currently linked, a Terminate is not allowed.

**Action**
Unlink the associated target set or snapset (if the snapset was restored).

EIP0061W

**SYMM gk/serial_num, PERSISTENT [SET | RESET] for SNAPSET name**

**Cause**
A persistent SET or RESET is being processed for the indicated snapset.

**Action**
None, informational.

EIP0062W

**SYMM gk/serial_num, SNAPSET name not found**

**Cause**
No volumes on the indicated storage system were found for the snapset.

**Action**
Verify the snapshot name specified in the command.

EIP0063W

**SYMM gk/serial_num, Preserved Copy limit reached (nn)**
**Cause**
The preserved copy limit has been reached.

**Action**
Increase the preserved copy limit or issue a "PERSISTENT RESET" command for an existing preserved snapset.

---

**EIP0064W**

**SYMM gk/serial_num, SNAPSET name is [already Preserved | not Preserved]**

**Cause**
The indicated snapset is either already preserved (PERSISTENT SET) or not preserved (PERSISTENT RESET).

**Action**
Review the PERSISTENT command for accuracy.

---

**EIP0065I**

**SYMM gk/serial_num, Restoring SNAPSET name**

**Cause**
A restore command is being processed for the indicated snapset.

**Action**
None, informational.

---

**EIP0066I**

**Restoring device nnnnnn**

**Cause**
This message is issued on behalf of a RESTORE command with VERBOSE mode enabled, for each device in the snapset.

**Action**
None, informational.

---

**EIP0067E**

**SYMM gk/serial_num, RESTORE failed, RC rc**

**Cause**
A RESTORE command failed with return code rc.

**Action**
Review the joblog for additional messages describing the error. Contact the Dell EMC Customer Support Center for assistance.
EIP0068E

SYMM gk/serial_num, Incompatible devices for LINK, TGT tgt_name

Cause
The target set for a LINK command does not contain sufficient devices of the correct type (CKD or FBA) and size.

Action
Update the target set definition for each TGT storage system to match the VDG storage system. The zDP QUERY reports (QUERY VDG vdg_name,DEVICES and QUERY TGT tgt_name,DEVICES) may be helpful.

EIP0069E

SYMM gk/serial_num, no devices defined

Cause
No devices are defined in the VDG/SYMM, the command cannot be processed.

Action
Ensure the zDP command was issued to the correct storage system.

EIP0070I

SAF check for command, message

Cause
Displays the SAF XFACILIT message associated with a successful resource check for the zDP command.

Action
None, informational. This message is issued under control of the SAF debug option.

EIP0071E

SAF check for command failed, RC rc, reason

Cause
The SAF XFACILIT check for the indicated command failed with return code rc.

Action
Check with your security administrator to determine if you should have authority to issue this zDP command.
EIP0072E

SYMM gk/serial_num, zDP is not licensed, RC/RSNC rc/rsnc

Cause
zDP is not licensed on the storage system, execution is not allowed.

Action
Contact your Dell EMC sales representative.

EIP0073E

TGT name is Linked, Delete not allowed

Cause
A delete of a linked Target Set is not allowed.

Action
Issue an UNLINK command for the TGT.

EIP0074W

VDG|TGT name already exists

Cause
A DEFINE command has been entered that is trying to create a duplicate Versioned Data Group or target set.

Action
Determine whether or not an incorrect name was specified in the command. If the name was specified incorrectly, reissue the command specifying the correct name. If the name was specified correctly, use the MODIFY OPTIONS command to change any options, or delete and redefine the VDG/TGT with the desired options.

EIP0075W

VDG vdg_name is active, changes will be affected after VDG restart

Cause
A MODIFY command was issued against an active VDG. Any change will require a restart of the VDG.

Action
Restart VDG to apply changes.
EIP0076W

Snapset name is not restored

Cause
An UNLINK VDG command was attempted. This command can process restored
snapsets only. The message provides the snapset name specified in the command.

Action
If either the VDG name or the snapset name was specified incorrectly, correct the
erroneous value and submit the command again.

EIP0077E

SYMM gk/serial_num, target device dev# reason

Cause
Refer to the corresponding reason:
- is an active R2
  An active R2 device was detected in a target set specified in the LINK command or
  in a VDG specified in the RESTORE command.
- is already a target
  Devices that are already target devices was detected in a target set specified in
  the LINK command or in a VDG specified in the RESTORE command.

Action
Ensure that correct devices are specified in the target set or VDG.

EIP0078E

SYMM gatekeeper/symm_serial, CCUU ccuu is online to the following
path(s):

Cause
The volume at the indicated ccuu is a target device for LINK/RESTORE operations
and must be offline to all other systems.

Action
Ensure that the volume is offline to all other systems. This message is immediately
followed by message EIP0079I, identifying the online path groups.

EIP0079I

pathlist

Cause
This message follows the EIP0078E message and lists path IDs. Refer to “EIP0078E”.
EIP0080W

**SYMM** gk/serial_num, device nnnnnn is in Adaptive Copy mode

**Cause**
The device is in adaptive copy mode and consistency cannot be assured. This message is issued for the first device found to be in adaptive copy mode when consistency is enabled - CONS(YES).

**Action**
Change the SRDF mode to either synchronous or asynchronous before starting zDP. To display a message for each device in adaptive copy mode, run with VERBOSE.

Note: Devices in adaptive copy mode can be added to a zDP configuration, but zDP will not run with ADCopy devices when consistency is enabled.

EIP0081W

**SYMM** gatekeeper/symm_serial, SNAPSET snapset_name is in the desired state

**Cause**
The snapset is already in a state that corresponds to the result of the PERSISTENT SET/RESET command.

**Action**
None, as far as the snapset is in the desired state.

EIP0082W

No ACTIONS found before SYSIN EOF

**Cause**
The //SYSIN * of the zDP job is empty.

**Action**
Specify a valid command after the //SYSIN * statement and resubmit the job.

EIP0083W

**SYMM** ccuu/serial_num, SNAPSET snapset, RESET is not supported for a Saved Snapset

**Cause**
The Persistent attribute cannot be reset for a saved snapset. The command is rejected.
**EIP0084E**

SYMM ccuu/serial_num, Device Lock function failed, RC rc/rsnc

**Cause**
A device lock function failed for the indicated storage system.

**Action**
Investigate the cause of the failure. Contact the Dell EMC Customer Support Center for assistance.

**EIP0085E**

SYMM ccuu/serial_num, more than 3 RDF Groups defined

**Cause**
A remote storage system is defined with more than three SRDF groups.

**Action**
If possible, attempt to redefine the path to the target storage system with fewer SRDF groups. Or re-run the job with MAXRC(4), which will result in a warning allowing the job to continue.

**EIP0089I**

RDP Cache Utilization: nn%

**Cause**
This message is issued as a result of a QUERY VDG,DEVICE or QUERY VDG,SNAPSET command to display the RDP (Replication Data Pointer) cache utilization.

**Action**
None.

**EIP0090I**

SIMULATE mode, no Snapsets will be terminated

**Cause**
This message indicates that Simulate mode is enabled for a TERMINATE command by date/time range.

**Action**
Review the output to ensure the displayed snapsets are the desired snapsets to terminate.
EIP0091E

Invalid Start|End Date/Time: date_time

Cause
An invalid start or end date/time was specified.

Action
Correct the invalid value and re-submit the job. The date/time must be in the format yydddhhmm.

EIP0092W

Only single device range is currently supported

Cause
This message is issued if more than one device range was specified for the query. You can specify one device range or query the whole VDG.

Action
Correct the specification and retry.

EIP0093I

No devices found in specified range

Cause
This message is issued if the requested range is not present in the VDG specified for QUERY DEVICE.

Action
None.

EIP0094I

No Snapsets found in specified range

Cause
This message is issued when there is no snapsets on the specified range of devices for QUERY SNAPSET.

Action
None.
EIP0095W

SYMM ccuu/ser_num, FREE failed, a Replication session exists on a Target device

**Cause**
FREE processing cannot proceed when a replication session is open on a target device. This is most likely due to a Thin Reclaim (TRU) SDDF session.

**Action**
Specify all required parameters and re-issue the command.
Check the TRU device statements in all active SCF tasks ("SCF.TRU.DEV.INCLUDE.LIST=") in the SCF initialization file(s) for the inclusion of any zDP target devices.
To display the TRU status for a device, issue `F emcscf,TRU DISPLAY ccuu`.
TRU can be disabled for a device via an SCF TRU STOP command: `F emcscf,TRU STOP ccuu`.
Re-submit the zDP UNLINK command with FREE(YES) after TRU is disabled for all of the target devices.
If no TRU sessions are found, contact the Dell EMC Customer Support Center for assistance.

EIP0096I

SAVED_SNAPSETS Retention Period changed to ddd

**Cause**
A DEFINE VDG or MODIFY VDG OPTIONS command was issued with the SAVED_SNAPSETS parameter where the specified retention period was lower than the interval. Thus could result in a timeframe with no saved snapsets. The retention period has been automatically adjusted to ddd.

**Action**
None.

EIP0097W

SYMM ccuu/ser_num, SECURE not supported

**Cause**
The indicated storage system is not at the minimum operating environment level required for SECURE.
SECURE requires a minimum operating environment level of PowerMaxOS 5978 or HYPERMAX OS 5977.1028 for all storage systems in the VDG.
The SECURE option is ignored.
EIP0098W

VDG vdg_name, COPY_ONCE Snapset not found

Cause
For a LINK or RESTORE command with COPY_ONCE(INCLUDE), no previous snapset was found containing the copy-once devices.

Action
Issue a QUERY SNAPSET command with the COPY_ONCE keyword to determine if any snapsets still exist with the copy-once devices.

EIP0099W

SYMM ccuu/ser_num, no devices to LINK for SNAPSET snapset_name

Cause
For a LINK or RESTORE command with COPY_ONCE(ONLY), the specified snapset does not contain any copy-once devices.

Action
Issue a QUERY SNAPSET command with the COPY_ONCE keyword to determine if any snapsets still exist with the copy-once devices.

EIP0100W

ENQ failed, resource in-use

Cause
Another zDP task has control of the zDP resource, QNAME='EMCZDP ', RNAME='ZDPENV '.

Action
This message is issued when the resource is unavailable after 30 seconds. Refer to message EIP0101R.

EIP0101R

Reply CANcel or WAIT

Cause
This message is issued as a result of a WTOR when the zDP resource is unavailable (refer to EIP0100W).

Action
Reply WAIT to wait for the resource to become available, or CANcel to cancel the job.
EIP0102E

Invalid reply

Cause
An invalid reply was entered in response to EIP0101R.

Action
Reply WAIT or CANcel (refer to EIP0101R).

EIP0103I

Waiting for resource

Cause
As a result of a WAIT reply to EIP0101R, the task will wait for the zDP resource to become available.

Action
None, informational.

EIP0104E

Execution cancelled

Cause
As a result of a CANcel reply to EIP0101R, execution of the zDP job has been canceled.

Action
None, informational.

EIP0105E

ENQ failed, RC rc

Cause
The ENQ for the zDP resource failed with return code rc.

Action
Check the Joblog and Syslog for any messages relating to this error. Contact the Dell EMC Customer Support Center for assistance.

EIP0107R

Reply CONTinue or CANcel
Cause
This message is issued as a result of the WTOR option for a TERMINATE command by date/time range.

Action
Reply CONTinue to allow terminate processing or CANcel to deny.

EIP0110E

ddname not allocated

Cause
A required file is not allocated.

Action
Resubmit the job with the required file (SYSIN or SYSPRINT).

EIP0111E

zDP Token Create failed, RC rc

Cause
The Name/Token Services Create for zDP failed.

Action
This is a Name/Token error code. Check the Joblog and Syslog for any other messages related to this error. Contact the Dell EMC Customer Support Center for assistance.

EIP0112E

Parse error, RC rc

Cause
The parser encountered a syntax error.

Action
Check the SYSPRINT file for any EPCPnnn E errors.

EIP0113E

No [VDGs | TGTs] for CSA processing

Cause
No VDGs or TGTs exist in common storage.

Action
This is an internal processing problem. Contact the Dell EMC Customer Support Center for assistance.
**EIP0114E**

Internal sort failed for \[VDG | TGT\] name, SYMM \_gk/serial_num

**Cause**
An internal sort of the zDP devices defined in the indicated storage system failed.

**Action**
Try running with REGION=0M. If the problem persists, contact the Dell EMC Customer Support Center.

**EIP0115W**

function API call failed, RC/EMCRC/EMCRS/EMCRCX=rc/emcrc/emcrs/emcrcx

**Cause**
The API call for function failed with the indicated return codes.

**Action**
Review the joblog for additional messages describing the error. Contact the Dell EMC Customer Support Center for assistance.

**EIP0116E**

- API specific error reason

**Cause**
This message is issued for common API errors, in conjunction with message EIP0115E. For example, RC=001C on EIP0115E indicates SCF is not active and "- SCF is not active" will display.

**Action**
Refer to EIP0115E. Contact the Dell EMC Customer Support Center for assistance.

**EIP0117E**

Invalid microcode level for CCUU ccuu

**Cause**
The operating environment level for the storage system addressed by CCUU ccuu does not support zDP (PowerMaxOS 5978 or HYPERMAX OS 5977 is required).

**Action**
Specify a gatekeeper CCUU on a storage system running PowerMaxOS 5978 or HYPERMAX OS 5977.
EIP0118E

Storage Obtain failed for area, RC rc

Cause
A storage obtain request for the storage area failed with return code rc.

Action
The region size could be too low; try running with REGION=0M. If the failure persists, contact the Dell EMC Customer Support Center for assistance.

EIP0119E

Storage Release failed for area, RC rc, ADDR addr

Cause
A storage release failed for the storage area with return code rc, at address addr.

Action
Review the joblog for additional messages describing the error. Contact the Dell EMC Customer Support Center for assistance.

EIP0120W

OPEN failed for file

Cause
The OPEN failed for the indicated file.

Action
Ensure the file is allocated to the task. SYSIN and SYSPRINT are required for EIPINIT.

EIP0121W

CLOSE failed for file

Cause
A CLOSE failed for the indicated file.

Action
This is an unexpected error, contact the Dell EMC Customer Support Center for assistance.

EIP0122W

zDP Log file file is not allocated
**EIP0123E**

*Incompatible Control Block level nn*

**Cause**
The version of the zDP run-time module (EIPZDP) is incompatible with the zDP environment.

**Action**
Install the current version of EIPZDP (it must be available to SCF in a STEPLIB or LINKLIST data set).

---

**EIP0124W**

*SYMM gk/serial_num, no devices defined*

**Cause**
The current command failed because no zDP devices are defined in the storage system.

**Action**
Add devices to the zDP storage system in the VDG definition, or if all devices were removed, resubmit the job.

---

**EIP0125E**

*SYMM gk/serial_num, GPM call failed, RC rc*

**Cause**
The GPM (General Pool Manager) call failed with return code rc.

**Action**
Review the joblog for additional messages describing the error. Contact the Dell EMC Customer Support Center for assistance.

---

**EIP0126E**

*GPM2SC#: rc1, GPM2SCSC: rc2, GPM2SCSF: rc3, GPM_RCX: rc4*

**Cause**
Issued for a GPM error to display the GPM return codes in conjunction with EIP0125E.
Action
Review the joblog for additional messages describing the error. Contact the Dell EMC Customer Support Center for assistance.

EIP0127I

No Snapsets exist on SYMM gk/serial_num

Cause
On behalf of a QUERY VDG SNAPSET command, no snapsets were found on the indicated storage system.

Action
None, informational.

EIP0128W

VDG vdg_name, No invalid Snapsets to Terminate

Cause
As a result of a TERMINATE command for invalid snapsets “TERMINATE VDG(vdg_name) SNAPSET(‘INV‘)”, no invalid snapsets were found.

Action
None.

EIP0130W

VDG name, SYMM gk/serial_num, SRP table capacity exceeded: count

Cause
The capacity of the internal SRP table has been exceeded. count is the number of SRPs associated with the VDG/SYMM.

Action
Contact the Dell EMC Customer Support Center for assistance.

EIP0131I

CCUU DEVICE ALLOCATED TRKS FREE STATUS

Cause
This message shows the column headings for the QUERY FREE report.

Action
None.
EIP0132I

Free Query for TGT name

Cause
This is a heading line of the QUERY FREE report for the indicated target set.

Action
None.

EIP0133I

Converting STOP_FREE to UNLINK STOP_FREE(YES)

Cause
The STOP_FREE statement has been internally converted to the UNLINK command with the STOP_FREE(YES) parameter, which is the same.

Action
None.

EIP0134E

VDG name, COPY_ONCE not supported with GNS

Cause
A MODIFY ADD command was issued against a VDG using the GNS keyword and the COPY_ONCE option, which is not supported.

Action
Revise the command to specify PowerMax/VMAX device numbers or z/OS device numbers to set the COPY_ONCE attribute to the devices.

EIP0140E

VDG name, @RETRY stack overflow

Cause
The capacity of the internal retry table has been exceeded.

Action
Contact the Dell EMC Customer Support Center for assistance.
Cause
The capacity of the internal retry table has been exceeded.
This message displays diagnostic information related to an @RETRY stack overflow
(message EIP0140E).
Action
Contact the Dell EMC Customer Support Center for assistance.

EIP0200I

*** Dell EMC zDP - Vv.r.m (ptf) - date ***

Cause
This zDP startup message displays the version and PTF level of the zDP run-time
module, EIPZDP. The date is displayed as the alphabetic day of the week and month,
dd and yyyy. For example, "Thursday, June 16, 2016".
Action
None, informational.

EIP0201I

VDG name, Beginning cycle nn

Cause
Issued at the start of zDP cycle nn for the indicated VDG.
Action
None, informational.

EIP0202I

VDG name, Completed cycle nn, next cycle scheduled for hh:mm:ss

Cause
Issued at the completion of zDP cycle nn. The scheduled start time for the next cycle
is displayed, except for the last cycle.
Action
None, informational.

EIP0203I

VDG name, ended - date

Cause
Issued when zDP has stopped for the VDG. The date is displayed as the alphabetic day
of the week, month, dd and yyyy.
Action
None, informational.

**EIP0204I**

VDG vdg_name, Snapset snapset_name status [(COPY_ONCE)]

**Cause**
Displays the completion status of the creation of the snapset (created or failed). (COPY_ONCE) indicates that the snapset contains copy-once devices.

**Action**
If the creation of snapset failed, investigate the reason for the failure.

**EIP0205I**

VDG vdg_name, Paused | Resumed

**Cause**
Issued as a result of a ZDP PAUSE or RESUME command.

A zDP PAUSE command will suspend execution of the VDG at the end of the current cycle, after releasing the device locks for all devices in the VDG. A RESUME command will re-obtains the zDP device locks and continue processing with the next cycle.

**Action**
None.

**More Information**
The zDP PAUSE and RESUME commands allow inter-operability with other EMC solutions that check for a device lock; for example, SRDF Host Component SC VOL commands.

**EIP0206E**

VDG vdg_name, error_reason

**Cause**
The VDG was stopped as a result of the indicated error.

**Action**
Correct the error and restart the VDG.

**EIP0207E**

VDG vdg_name, Stopped, reason

**Cause**
The VDG has been stopped due to the indicated reason.
Action
If all devices are defined as COPY_ONCE, there is no reason to continue creating snapsets.

EIP0210I

VDG name, Device locks obtained, SYMM gk/serial_num

Cause
Displays the successful obtain of the device locks for the indicated storage system in the zDP configuration. Issued when DEBUG(STATUSE) is enabled.

Action
None, informational.

EIP0211I

VDG name, Device locks obtained

Cause
Indicates the zDP device locks were successfully obtained, under the control of DEBUG(STATUS) without STATUSE.

Action
None, informational.

EIP0212I

VDG name, Device locks released, SYMM gk/serial_num

Cause
Indicates the successful release of the zDP device locks for the storage system. Issued under the control of DEBUG(STATUSE).

Action
None, informational.

EIP0213I

VDG name, Device locks released

Cause
Indicates the zDP device locks were successfully released, under the control of DEBUG(STATUS) without STATUSE.

Action
None, informational.
EIP0214W

VDG name, Stealing lock for devnum, LOCKID/DURATION lockid/duration, SYMM gk/serial_num

Cause
During lock obtain processing, the zDP device lock was stolen due to an expired zDP lock.

Action
Investigate the reason the zDP device lock was held.

EIP0215E

VDG name, Lock not stolen for devnum, LOCKID/DURATION lockid/duration, SYMM gk/serial_num

Cause
During lock obtain processing, the device lock could not be stolen, either due to a non-zDP or a long term lock on the device.

Action
Investigate the reason for the device lock. If the lock was inadvertently left set as a result of an error, it can be released via the SCF REC command.

EIP0216I

VDG name, Devices validated for consistency, SYMM gk/serial_num

Cause
When consistency is enabled, CONS(YES), each device is validated for consistency before the creation of the snapshot. This message is issued under the control of DEBUG(STATUS), to indicate successful validation of consistency for the zDP storage system.

Action
None, informational.

EIP0217I

VDG name, Devices validated for consistency, via [ECA | SRDF/A]

Cause
Issued to indicate the successful validation of consistency for the zDP configuration, under the control of DEBUG(STATUS) without STATUSE. The Consistency method employed is displayed as "ECA" for synchronous devices or "SRDF/A" for R2 devices operating in SRDF/A mode.
EIP0218E

VDG name, SRDF/A Drop detected

Cause
During consistency validation, an SRDF/A Drop was detected. zDP will not continue as there is no reason to continue to create snapsets when data transfer to the R2 devices is interrupted.

Action
If asynchronous replication is still desired, activate SRDF/A for all SRDF groups in the zDP configuration and restart zDP. Otherwise, make sure all R2 devices are in the same mode to allow consistency.

EIP0219I

VDG name, Releasing lock for device, LOCKID/DURATION lockid/duration, SYMM gk/serial_num

Cause
As a result of a RELDLOCK command, the zDP device lock was released for the indicated device.

Action
None, informational.

EIP0220I

VDG name, SYMM gk/serial_num, Snap/Total SRP Util: snap_srp/total_srp

Cause
Displays the snap (snap_srp) and total (total_srp) utilization of the Storage Resource Pool for the zDP storage system. The values are tracks, and are converted to K, M, or G when larger than 99,999.

Action
None, informational.

EIP0221W

VDG name, SYMM gk/serial_num, Total SRP Utilization threshold exceeded: nn%

Cause
The total SRP utilization threshold specified in SRP_WARN% has been exceeded.
**EIP0222W**

**VDG name, SYMM gk/serial num, Snap SRP Utilization threshold exceeded:** nn%

**Cause**
The sap SRP utilization threshold, SRP_SNAP, has been exceeded.

**Action**
Investigate the Storage Resource Pools and take appropriate action, add additional data devices, or stop high utilization workloads.

**EIP0223W**

**VDG name, SYMM gk/serial_num, Termination SRP Utilization threshold exceeded:** nn%

**Cause**
The termination SRP utilization threshold, SRP_TERM, has been exceeded. Based upon the termination policy, zDP will either initiate a termination of the oldest eligible snapset, or stop.

**Action**
Investigate the Storage Resource Pools and take appropriate action, add additional data devices or stop high utilization workloads.

**EIP0224W**

**VDG name, Snapshot count:** nn

**Cause**
The highest snapshot count for a VDG device exceeds the maximum allowed. The snapshot count includes zDP and non-ZDP snapshots.

Based upon the termination policy, zDP will either terminate the oldest eligible snapset or stop.

**Action**
If MAX_SNAPSETS is not 256, consider increasing the value.

**EIP0226E**

**VDG name, No Snapsets to Terminate**
Cause
A Terminate due to exceeding an SRP threshold could not be issued because there are no eligible snapsets to terminate.

Action
Review the existing snapsets. If all are saved or preserved, increase the MAX_SNAPSETS value (if not at the limit of 256) or manually terminate a snapset.

EIP0227I

VDG vdg_name, SYMM gk/serial_num, Terminating SNAPSET snapset_name

Cause
A Terminate has been issued for the indicated snapset.
This message can be the result of a Terminate due to the Max Snapsets value reached, or as the result of an Activate error.

Action
None.

EIP0229E

VDG vdg_name, SYMM gk/serial_num, TERMINATE failed, RC rc

Cause
A TERMINATE failed with return code rc.

Action
Review the joblog for additional messages describing the error. Contact the Dell EMC Customer Support Center for assistance.

EIP0230E

VDG name, SRDF/A and non-SRDF/A, consistency cannot be assured, Adev#/Sdev#

Cause
The zDP VDG was found to contain R2 devices in both asynchronous (SRDF/A) and non-SRDF/A. Consistency cannot be assured when all devices are not operating in the same SRDF mode.

Action
Ensure all devices in the zDP VDG are operating in the same SRDF mode and then restart zDP. A VDG device query issued from the zDP definition utility (QUERY VDG vdg_name, DEVICES) will display the SRDF mode for R2 devices.

EIP0232E

VDG name, SYMM gk/serial_num, Device Lock Obtain failed, RC rc/rsnc
Cause
A device lock obtain failed with the displayed return code/reason code.

Action
Review the joblog for additional messages describing the error. Contact the Dell EMC Customer Support Center for assistance.

EIP0233W

VDG name, SYMM gk/serial_num, Device Lock Release failed, RC rc/rsnc

Cause
A device lock release failed with the displayed return code/reason code.

Action
Review the joblog for additional messages describing the error. Contact the Dell EMC Customer Support Center for assistance.

EIP0234E

VDG name, SYMM gk/serial_num, Device Lock Query failed, RC rc/rsnc

Cause
A device lock query failed with the displayed return code/reason code.

Action
Review the joblog for additional messages describing the error. Contact the Dell EMC Customer Support Center for assistance.

EIP0235E

VDG name, SYMM gk/serial_num, device devnum is a Soft-fence device

Cause
The zDP VDG device was found to be in a soft-fenced state.

Action
Soft-fenced devices are not supported. Reset the soft-fence attribute or remove the device from the VDG and restart zDP.

EIP0236W

VDG name, SnapVX call failed, RC rc[/eca_rc {(ECA {SET|CLR} error) | [Timeout]}] [, SYMM gk/serial_num]

Cause
The zDP SnapVX call failed with return code rc.

The ECA reason code will be displayed for an ECA SET or CLR error. An ECA Timeout will be displayed as "ECA Timeout"
Action
Review the joblog for additional messages describing the error. Contact the Dell EMC Customer Support Center for assistance.

For an ECA SET error, the snapset is automatically terminated because it might not be consistent. If an ECA SET error occurs repeatedly, the VDG should be stopped and the cause investigated. If an ECA SET error is the result of a system crash or another event while ECA was set, the ECACLEAR command can be issued to close the ECA windows for the VDG devices.

For an ECA Timeout, investigate the reason for the timeout.

**EIP0237W**

**Cause**
The GPM (General Pool Manager) call failed with return code `rc`.

**Action**
Review the joblog for additional messages describing the error. Contact the Dell EMC Customer Support Center for assistance.

**EIP0238E**

**Cause**
The zDP feature is not authorized on the storage system.

**Action**
Contact your Dell EMC sales representative to obtain the zDP license.

**EIP0239E**

**Cause**
The zDP VDG device was found to be in adaptive copy mode. Consistency cannot be assured for devices in adaptive copy mode.

**Action**
Review the device states in the zDP configuration. All devices must be in the same SRDF mode to allow for consistency. A VDG device query (QUERY VDG vdg,devices) issued from the zDP definition utility will display the SRDF information for R2 devices.

**EIP0240W**

**Cause**
Snapshot limit exceeded
Cause
The total number of SnapVX snapshots has been exceeded for at least one device in the VDG. The device number displayed is the device with the highest snapshot count in the VDG.

Action
zDP will dynamically adjust the Snapset limit to account for any non-zDP snapshots. Message EIP0241W will also display.

EIP0241W

EIP0241W VDG vdg_name, Max Snapsets reduced to nnn

Cause
As a result of exceeding the snapshot limit, Max Snapsets has been reduced to the indicated value.

Action
A non-zDP snapshot on any VDG source volume will reduce the number of zDP Snapsets that can be maintained. Examine the configuration to determine if this negatively compromises the zDP solution. Message EIP0240W is displayed in conjunction with this message.

EIP0242W

VDG vdg_name, SYMM gk/ser_num, R2 device devnum has nnnnnn invalid tracks

Cause
R2 device nnnnnn has invalid tracks, which could affect consistency of the R2 data.

Action
When the STATUSE debug option is enabled, this message will be issued for each device in the VDG with invalid tracks; otherwise, it will be issued for the first device with invalids in each storage system configured in the VDG.

After all devices are checked, this process will continue every 30 seconds until all of the invalid tracks are resolved. A STOP command can be issued to interrupt this process and stop the VDG.

EIP0243E

VDG vdg_name includes multiple SRDF/A groups without MSC, consistency cannot be assured

Cause
In order to provide consistency for a VDG with multiple SRDF/A groups, they must be under the control of MSC.

Action
This is an error condition, causing the VDG to stop.
EIP0244E

VDG vdg_name includes MSC and non-MSC devices, consistency cannot be assured

**Cause**
A mix of MSC and non-MSC mode SRDF/A SRDF groups was detected.

**Action**
This is an error condition, causing the VDG to stop.

EIP0245W

VDG vdg, SRDF/A Suspend failed

**Cause**
The suspend process failed to suspend SRDF/A for an active R2 group in the VDG. This could be due to MSC not being globally consistent, which could occur if the VDG is started before MSC completed two cycle switches, or by another failure in the process.

**Action**
If MSC was not globally consistent, the next zDP cycle should not encounter this error. Otherwise, a GTF trace of the zDP gatekeepers may be necessary to diagnose this problem.

EIP0246W

VDG vdg_name, SYMM gk/ser_num, R2 device devnum is in CEXMPT mode

**Cause**
The indicated R2 device is in Consistency Exempt mode, and will be excluded from consistency validation.

**Action**
A CEXMPT R2 device will not affect consistency since it was explicitly placed into CEXMPT mode. It will be included in the snapset.

When the STATUSE debug option is enabled, this message will be issued for each CEXMPT device in the VDG; otherwise, it will be issued for the first CEXMPT device in each storage system configured in the VDG.

EIP0247I

VDG vdg_name, SYMM ccuu/serial_num, RDP Cache Utilization: nn%

**Cause**
Displays the RDP (Replication Data Pointer) cache utilization for the storage system in the indicated VDG.
EIP0248W

VDG vdg_name, Retry issued for SNAPSET snapset

Cause
A zDP Snapset Create failed, resulting in a retry of the SnapVX Create/Activate call.

Action
Investigate the reason for the error if the Snapset Create continues to fail.

EIP0249W

VDG vdg_name, SYMM serial_num/gk, Snapset Query failed

Cause
A Snapset Query API call failed. If possible, the VDG will continue to run.

Action
Contact the Dell EMC Customer Support Center.

EIP0250I

VDG vdg_name, SMF Recording enabled, Record ID nnn [,Tracks]

Cause
This message is issued during VDG initialization when SMF recording is enabled or as the result of an SCF ZDP MODIFY,SMF command to alter the SMF options. Tracks will be displayed if the TRACKS option is enabled.

Action
None.

EIP0251I

VDG vdg_name, SMF Recording disabled

Cause
This message is issued at the start of a cycle as a result of an SCF ZDP MODIFY,SMF(No) command.

Action
None.
EIP0252W

VDG vdg_name, SMF Write failed, RC rc

Cause
The SMF write routine for the VDG failed.

Action
Contact the Dell EMC Customer Support Center.

EIP0253W

VDG vdg_name, SYMM serial_num/gk, ECA Clear failed for device ddddddd, RC rc [(via RDF Group nn)]

Cause
On behalf of an ECACLEAR command, the Clear function failed for device ddddddd with Return Code rc.

via RDF Group nn indicates a remote operation, ECA is cleared on the partner R1 device through SRDF group nn.

Action
If this prevents operation of zDP, contact the Dell EMC Customer Support Center.

EIP0254I

VDG vdg_name, SYMM serial_num/gk, ECA Cleared for device nnnnnn [(via RDF Group nn)]

Cause
This message is issued on behalf of an ECACLEAR command (with the STATUSE DEBUG option enabled), for each successful ECA Clear.

via RDF Group nn indicates a remote operation, ECA is cleared on the partner R1 device through SRDF group nn.

Action
None.

EIP0255W

VDG vdg_name, SYMM gk/serial_num, inconsistent SRDF/A R2 Group ra (R1 Group ra)

Cause
During the consistency check before each cycle, zDP determined the indicated SRDF/A R2 group is not consistent. The partner R1 group is also displayed. When the VDG contains multiple storage systems, the check will stop with the first storage system with an inconsistent SRDF/A R2 group, unless the STATUSE debug option is
enabled, in which case, all of the systems will be validated. This situation applies to zDP SRDF/A configurations, where the VDG source devices are active asynchronous R2 devices.

**Action**

zDP will continuously check for R2 consistency after a 30 second wait. The process can be interrupted with a STOP command. If this continues for an unreasonably long time, investigate the reason for the SRDF/A inconsistent state.

---

**EIP0256W**

VDG vdg_name, MSC Global Consistency has been lost

**Cause**

During the consistency check before each cycle, zDP determined that MSC is not globally consistent. This pertains to zDP MSC configurations with multiple R2 groups. This message will be issued only when MSC has lost global consistency and all of the R2 groups are consistent.

**Action**

zDP will continuously check for R2 consistency after a 30 second wait. The process can be interrupted with a STOP command. If this continues for an unreasonably long time, investigate the reason for the SRDF/A inconsistent state.

---

**EIP0257W**

VDG vdg_name, Persistent Copy Limit reached (nn)

**Cause**

The Persistent Copy Limit has been reached. The snapset has been converted to a normal (cyclical) snapset.

**Action**

Examine a QUERY SNAPSET report to determine if any snapsets can be converted from saved to cyclical.

Or, consider increasing the PERSISTENT_COPY_LIMIT value.

In either case, the VDG must be restarted to recognize the new limit.

---

**EIP0260I**

VDG vdg_name, message-text

**Cause**

This is a diagnostic message issued during zDP startup.

**Action**

None.
VDG vdg_name, SnapVX optimization enabled

**Cause**
Indicates that the SnapVX Activate performance feature has been enabled.

**Action**
None.
CHAPTER 7

TimeFinder Mirror

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TimeFinder Mirror

2207
BCVA000I

Process proc specifies status messages

Cause
Status messages are generated as a result of the DEBUG options chosen for process proc.

Action
None.

BCVA001I

Process proc *** Dell EMC TimeFinder Automated Control v.r.m (nn) - SCF Vv.r.m(nn) mm/dd/yyyy

Cause
TimeFinder/Mirror Automation report heading for process proc. Also indicates TimeFinder/Mirror and SCF (ResourcePak Base) version and the date.

v
  The version.

r
  The release.

m
  The modification level.

nn
  The maintenance (PTF) level of the software. If no maintenance has been applied, then the maintenance level will show as (00).

mm/dd/yyyy
  Indicates the month, day, and year when the maintenance was built. If there is no maintenance applied, the date is the build date of the module.

Action
None.

BCVA002I

Process proc beginning cycle nnnn Version version

Cause
Indicates the start of automation cycle nnnn for process proc.

Action
This is an informational message only. No user action is required.
**BCVA003I**

Process `proc` completed cycle `nnnn`

**Cause**  
Indicates the completion of automation cycle `nnnn` for process `proc`.

**Action**  
This is an informational message only. No user action is required.

**BCVA004E**

Process `proc BCV` `xxxxxx` not found in Query buffer

**Cause**  
The indicated BCV device was not found in the BCV Query buffer for process `proc`.

**Action**  
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**BCVA005E**

Process `proc BCV` `xxxxxx` is not ESTABLISHED

**Cause**  
The source BCV device is not established for process `proc`.

**Action**  
Ensure all source BCV devices are fully established prior to starting the process.

**BCVA006E**

Process `proc BCV` `xxxxxx` is TERMINATING

**Cause**  
The indicated BCV device is terminating (a split is in progress).

**Action**  
Ensure all source BCV devices are fully established and no other actions are performed on the devices defined for the process.
BCVA007E

Process proc BCV xxxxxx has INVALID tracks

**Cause**
The indicated BCV device has invalid tracks for process `proc`.

**Action**
If the invalid track count is not 0, the split fails. Ensure all source BCV devices are fully established prior to starting the process.

BCVA008E

Process proc BCV xxxxxx is HELD, Symm nnnnnnn-nnnnn

**Cause**
The indicated BCV device is in a HELD status for process `proc`.

**Action**
Ensure the correct devices have been specified. Held devices can be released with the TimeFinder/Mirror CONFIG RELEASE command.

**Note**
The Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide describes the CONFIG command.

BCVA009E

Process proc xxxxxx device mismatch - BCV xxxxxx paired with STD xxxxxx

**Cause**
There is a mismatch with either the source or target volumes. The indicated device pairing does not agree with the device list for process `proc`.

**Action**
Ensure the correct devices have been specified and the initial state of the devices is correct.

BCVA010E

Process proc BCV xxxxxx online, Path Group Id = nnnnnnnnnnn, Symm=nnnnnnn-nnnnn

**Cause**
During the online/offline status check process a path group was found to be in single or multiple path mode for process `proc`. `nnnnnnn-nnnnn` is the storage system serial number. There can be more than one occurrence of this message for a single device,
depending on the number of path groups to the device. The path group is identified by an 11-byte string, reading left to right as follows:

- 5 bytes - CPU serial number
- 2 bytes - CPU model type
- 4 bytes - Time of day (STCK format)

**Action**

Go to the system indicated by the path group and vary the device offline. The z/OS system that corresponds to the path group value can be verified by comparing path group to the value of SERIAL in the z/OS message IEE174I response to the z/OS 'D M=CPU' command.

```
D M=CPU
IEE174I 14.40.17 DISPLAY M 457
PROCESSOR STATUS
ID CPU SERIAL
 0 + 0488889672
 1 + 0488889672
```

**Note**

SERIAL contains a 3-byte serial number (04888) and 2 byte model (9672). This error message may also be issued when using Innovation Data Processing's FDR Instant Backup or FDR/SOS products if TimeFinder/Mirror is not executed on the same LPAR as the Innovation Product.

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**BCVA011E**

Process proc BCV xyyyyy ENQ failed, in use by another job

**Cause**

The indicated BCV is being processed by EMC TimeFinder/Mirror on this or another system for process proc.

**Action**

Ensure the correct devices have been specified. No other TimeFinder actions should be performed against the automation volumes.

---

**BCVA012W | BCVA012E**

Process proc API call failed, rc xyyyyyy, function ffffffff

**Cause**

The API function, indicated by ffffffff, failed with return code xyyyyyy for process proc.

For example, message "Process proc API call failed, rc xyyyyyy, RTGT, BCV yyyy, Symm nnnnnnnn-nnnnn, RAG zz" means that the specified device is not ready because of drive failure or drive service action. Messages BCVA063E and BCVA058A are issued as follow-up.
Note
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVA013E

Process proc Remote API call failed, rc xxxxxxxx, function ffffffff

Cause
A remote API function, indicated by ffffffff, failed with return code xxxxxxxx for process proc.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVA014E

Process proc STORAGE OBTAIN failed for xxxxxxxx

Cause
A STORAGE OBTAIN failed for the indicated area with process proc.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVA015E

Process proc STORAGE RELEASE failed for xxxxxxxx

Cause
A STORAGE RELEASE failed for the indicated area for process proc.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct
the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVA016E

| Process proc Target BCV xxxxxx ESTABLISHED Symm nnnnnnn-nnnnn, RAG xx[.xx] |

**Cause**
The indicated target BCV device is established for process proc. RAG xx [.xx] indicates the SRDF group path used to reach the specified source storage system.

**Action**
Ensure the correct devices have been specified. Target devices cannot be established.

BCVA017E

| Process proc Wait interval exceeded after Consistent Split |

**Cause**
The split did not complete within the wait interval for process proc.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVA018E

| Process proc Consistent split failed, rc xxxxxxxx, Symm nnnnnnn-nnnnn |

**Cause**
A consistent split failed with return code xxxxxxxx, on storage system serial number nnnnnnn-nnnnn for process proc.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVA019E

| Process proc I/O buffer table capacity exceeded |

**Cause**
Internal storage used to contain the I/O buffers has been exceeded for process proc.
**BCVA020E**

Process proc Previous cycle duration exceeded 24 hours

Cause
The previous cycle time exceeded the maximum allowed interval of 24 hours for process proc.

Action
Review the messages to determine the reason for the elongated cycle time. If you cannot determine and correct the problem, search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot find an answer there, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**BCVA021E | BCVA021W**

Process proc Timeout occurred during Consistent Split processing

Cause
The timeout interval has expired during a Consistent SPLIT. The SPLIT proceeds, but consistency is not provided for process proc.

Action
Review the timeout value supplied and increase if necessary.

**BCVA022W**

Process proc *** A timeout occurred, Splits may not be consistent ***

Cause
This message is issued at the end of a job whenever a consistent split timeout occurred for process proc.

Action
Review the timeout value supplied and increase if necessary.

**BCVA023E**

Process proc Invalid RDF mirror mask xx, Symm xxxxxx, BCVCUU xxxxxx

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
Cause
The SRDF mirror mask contains an invalid value. This occurs if the Concurrent SRDF feature is enabled and the R1 is configured with multiple R2 devices. TimeFinder/Mirror automation does not currently support Concurrent SRDF for process proc.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVA024E

Process proc Routine xxxxxxxx failed, RC xx, RSNC xxxx

Cause
The indicated routine failed with return code xx, reason code xxxx for process proc.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVA025I

Process proc Process xxxxxxxx stopped

Cause
The indicated process was stopped at the end of step nn or cycle nnnn, in response to a user request to stop the process for process proc.

Action
If the process was stopped normally (at the end of a cycle), it may be restarted with a START or RESTART action. Otherwise, a RESTART is required.

BCVA026E

Process proc Process xxxxxxxx not restarted

Cause
The process could not be restarted for the indicated reason for process proc.

Action
Examine the messages from the previous run to determine the steps required to restore the devices to their initial state.
BCVA027E

Process proc, Invalid RDF mirror num, Symm nnnnnnn-nnnnn

Cause
PowerMax/VMAX device number for secondary SRDF BCV invalid.

Action
Correct the PowerMax/VMAX device number.

BCVA028E

Process proc, Source STD xxxxxx is a SymmPav device

Cause
The source STD device xxxxxx is a SymmPav device.

Action
Correct the configuration.

BCVA029E

Process proc, Source STD xxxxxx has active I/O [- alias]

Cause
After the IOS level is raised, each source standard device is tested for active I/O. If the device or its alias is active, it is retested for up to 1 second. If the device or its alias is still active after the test, message BCVA029E is issued and the process is terminated.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVA030W | BCVA030E

Process proc, IOS Level not set for xxxxxx, reason

Cause
The IOS Level could not be raised for device xxxxxx, for the indicated reason (dataset type). Consequently, the split may not be consistent.

Action
Investigate the requirement for the dataset on a volume in the SRDF/AR configuration and relocate if possible.
Note
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

BCVA031E

Process proc, EMCDLOK OBTAIN failed, RC xxxx, RSNC xxxxxxxx, Symm nnnnnnn-nnnnn

Cause
The Device External Lock function failed with the indicated return/reason codes.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVA032E

Process proc, BCV xxxxxx is locked, LOCKID aaaaaaaaa, Duration dddddddd, Symm nnnnnnn-nnnnn RAG hoplist

Cause
The indicated BCV is already locked. The lock ID and the duration of the lock (in seconds) are displayed. nnnnnnnn-nnnnn corresponds to the source storage system, and hoplist shows the SRDF group number or hop list used to access the target storage system.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVA033W | BCVA033E

Process proc, BCV xxxxxx lock expired, LOCKID aaaaaaaaa, Duration dddddddd, Symm nnnnnnn-nnnnn

Cause
A Device External Lock on the indicated BCV has expired.

Action
None. TimeFinder/Mirror has successfully released the lock and acquired a new lock.
Note

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

BCVA034E

Process proc, Retry count exceeded for function

Cause
The retry count for the indicated function was exceeded. The previous error message gives additional details.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVA035E

Process proc, I/O error, rc xx, CUU xxxx, Symm nnnnnnn-nnnnn

Cause
An I/O operation failed.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVA036E

Process proc, Syscall xxxx failed, rc xx, CUU xxxx, Symm nnnnnnn-nnnnn

Cause
A syscall operation failed.

Action
Review the job log and SYSLOG for errors. The reason codes are listed in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
BCVA037E

Process proc, Initialization failed, code xx

Cause
Initialization of the SRDF/AR process failed with the indicated error code.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVA038E

Process proc, ECA Window function failed, RC xx, RSNC xxxx, CUU xxxx, Symm nnnnnnn-nnnnn

Cause
When the Enginuity Consistency Assist option is in effect - SYSTEM(GLOBAL), the function failed with the indicated return and reason codes.

Action
Review the job log and SYSLOG for errors. The reason codes are listed in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVA039I

Process proc, R2 xxxxxx has R1 Invalid Tracks, Symm nnnnnnn-nnnnn, RAG xx

Cause
An SRDF/AR process found invalid tracks owed to the R1 from the R2. This condition indicates that the R2 has been altered while the SRDF/AR cycle was stopped.

Action
None. This is an informational message.

BCVA040E

Process proc, R2 dev# is R/W, Symm nnnnnnn-nnnnn, RAG xx[.xx]

Cause
The target R2 STD device is R/W (read/write). This is an invalid state, it must be R/O (read only).
Action
Determine the cause of the R/W R2 state and refer to the Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide for information about resolving the condition before attempting a START or RESTART of the process.

BCVA042E

Process proc interrupted

Cause
Operator information message indicating an abnormal end of the SRDF/AR process (explicitly stopped or ended with an error).

Action
Review the console or SCF log for related error messages.

BCVA043E

Process proc, R1 xxxxxx is TNR, Symm nnnnnnn-nnnnn

Cause
For a SRDF/AR automated multi-hop run, the R1 is in Target Not Ready (TNR) state. When an R1 is TNR, changed tracks do not propagate to the R2 device.

Action
The SRDF Host Component command #SC VOL,ccuu,RDF_RSUM can be issued to resume the SRDF link.

BCVA044E

Process proc, Previous cycle stopped in step nn

Cause
The SRDF/AR process was found to have been stopped before the end of a cycle.

Action
Issue a RESTART command to resume the process at the beginning of the next step.

BCVA045E

Process x, BCV xxxxxxx in use by another operation, Symm nnnnn-nnnnn

Cause
The mirror write lock for BCV xxxxxxx is already held by SAR process x

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
**BCVA046E**

Process proc, Control Block level xx (yy required)

**Cause**
The internal control block level is not compatible with this version of SRDF/AR.

**Action**
Redefine the SRDF/AR process with the current level of the TimeFinder/Mirror product.

**BCVA047E**

Process proc, API call failed, RC xx, Retry issued, CUU xxxx, Symm nnnnnnnn-nnnnnn RAG nn

**Cause**
An API call failed and a retry was issued. If an error message does not follow this message, the retry was successful.

**Action**
If no error messages follows, no action needed. If an error message follows, take the steps discussed under that error message.

---

**Note**
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

---

**BCVA048E**

Process proc, API call failed, RC xx, Retry count exceeded, Reply RETRY or CANCEL

**Cause**
An API call failed and the retry was not successful. The process waits until a response is entered.

**Action**
Resolve the error condition and reply RETRY to continue the process. A reply of CANCEL terminates the process.
Note

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

BCVA050E

Process proc, MP config error for R1 xxxxxx - MPBCV xxxxxx is not established, Symm nnnnn

Cause
The multi-protection BCV is not established with the source R1 STD.

Action
Verify that all the MP-BCV devices are established to their respective R1 devices.

BCVA051E

Process proc, MP config error for R1 xxxxxx - MPBCV xxxxxx is not partnered with R2 xxxxxx, Symm nnnnn

Cause
The multi-protection BCV is not partnered with the correct R2 device.

Action
Validate the MP-SRDF/AR configuration.

BCVA052E

Process proc, SDDF ffff failed for xxxxxx, RC xx, RSNC xxxx, Symm nnnnn

Cause
The SDDF function failed.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVA053I

Process proc, Multi-Protection Multi-Hop is enabled
Cause
One complete multiprotection SRDF/AR cycle is required to realize the benefits of MP-SRDF/AR.

Action
This is an informational message only. No user action is required.

BCVA054E

Process proc, SDDF sessions do not exist for device xxxxxx, Symm nnnnn

Cause
During a multiprotection SRDF/AR run, an MP SDDF session was terminated.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVA055I

Process proc, MP-Resync complete

Cause
Multiprotection resynchronization processing has completed.

Action
If desired, define and start a SRDF/AR single-hop cycle to provide continuous protection.

BCVA056I

Process proc, Running without Target BCVs

Cause
Issued in response to running a SRDF/AR process with BYPTargetBCV(Y) specified.

Action
This is an informational message only. No user action is required.

BCVA057I

Process proc, Target BCVs temporarily disabled

Cause
The specification of BYPTBCV(Y,MPR) results in the first cycle bypassing the usage of the target BCVs. Subsequent cycles run normally.
Action
This is an informational message only. No user action is required.

BCVA058A

Process proc, Paused (xxxxxxxx) - reply CONTinue or CANcel

Cause
Issued in response to a SRDF/AR PAUSE command.

Action
Reply CONTINUE to continue the SRDF/AR process or CANCEL to cancel the process.

BCVA058I

Process proc, Paused in Step nn (xxxxxxxx) - Reply was zzzzzzz

Cause
This message is issued after a process stopped in the specified step and was then acted upon. The WTOR reply is displayed.

xxxxxxxx represents [error | request]. zzzzzzz represents the WTOR reply text as entered in response to BCVA058A action message WTOR.

Action
None.

BCVA060E

Process x, dev xxxxxx has an active SRDFA session, Symm nnnnnnn-nnnnn, RAG xx

Cause
SRDF/AR device xxxxxx has an active SRDF/A session. SRDF/A is incompatible with SRDF/AR.

Action
Review the SRDF/AR definition for accuracy and correct the definition or deactivate SRDF/A.

BCVA061I

Process proc, Paused due to Synchronization problem, Symm nnnnnnn-nnnnn

Cause
The SRDF/AR process has detected no change in the invalid track count after 30 iterations.
Action
Investigate the log for complementary messages, especially any BCVA063E messages indicating a drive failure.

---

**BCVA062I**

**Process**
`proc, Resume failed for Symm nnnnnnn-nnnnn`

**Cause**
If a synchronization problem was detected in Step 3 (Source R1 Sync), SRDF/AR checks for any TNR devices and issues a Resume for each TNR device. This message indicates a Resume failed for storage system `nnnnnnn-nnnnn`.

**Action**
Check the log for any BCVA036E messages, which will list the return code from the Resume. Also check the status of the SRDF link.

---

**BCVA063E**

**Process**
`proc, dev xxxxxx is N/R, Mir nn(dir-if), Symm nnnnnnn-nnnnn, RAG nn`

**Cause**
A not ready mirror was found for device (STD/BCV) `xxxxxx`. If it can be determined, the Director and Interface (`dir-if`) is displayed, which will be meaningful to the Customer Engineer. A message will be displayed for each logical SRDF/AR device on a failed physical drive.

**Action**
The SRDF/AR process will pause waiting for an operator reply to continue. Refer to BCVA058A to reply.

---

**BCVA064I**

**Process**
`proc, BCV xxxxxx is not Established, Symm nnnnnnn-nnnnn[, RAG xx[.xx]]`

**Cause**
After a Reestablish (or Establish) operation, a BCV was found to be in an incorrect state. If `(transient)` is displayed, the BCV is in a transient state.

**Action**
None.

---

**BCVA065I**

**Process**
`proc, Consistent point at yyyy.ddd hh:mm:ss.th (cycle nnn) saved for dddddd`
Cause
When a SRDF/AR process saved point-of-consistency is reached, information is displayed for this cycle. \textit{ddddddd} represents [Source BCVs | Target R2s | Target BCVs].

Action
This is an informational message only. No user action is required.

BCVA066I

\texttt{Process proc, Consistent point at yyyy.ddd hh:mm:ss.th (cycle nnnn) expired for dddddd}

Cause
The indicated SRDF/AR process saved point-of-consistency has expired. \textit{ddddddd} represents [Source BCVs | Target R2s | Target BCVs].

Action
This is an informational message only. No user action is required.

BCVA067E

\texttt{Process proc, R2 xxxxxxx has Invalid Tracks, Symm nnnnnnn-nnnnn, RAG xx}

Cause
Invalid tracks exist on all local mirrors of an R2 device. This situation can occur after a drive replacement.

Action
A full Establish and Split of each R1 will be required to fully synchronize the R2 devices. After the R2s are synchronized, the R1 devices can be re-established and the process started.

BCVA068W | BCVA068E

\texttt{Process proc, Poll failed, Target BCVs might not be consistent, Symm nnnnnnn-nnnnn, RAG xx[.xx]}

Cause
The target split failed due to a poll error (Query failed during the poll for completion of the foreground split processing).

Action
This is a warning indicating that the data on the target BCVs might not be consistent. If MAXRC =4 or higher, the process continues. Otherwise, an “E” level message will be issued and the process pauses.
Note
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

**BCVA069I**

**Process proc, R1-BCV xxxxxx has been replaced with yyyyyy, Symm nnnnnnnn-nnnnn**

**Cause**
SRDF/AR Resilience: R1-BCV xxxxxx was replaced with device yyyyyy as a result of a drive failure or due to the replacement of the partner R2 device in a static SRDF relationship.

**Action**
Device replacements could affect recovery at the target site; Export the modified SRDF/AR configuration or manually record the device number changes.

**BCVA070I**

**Process proc, TBCV xxxxxx has been replaced with yyyyyy, Symm nnnnnnnn-nnnnn**

**Cause**
SRDF/AR Resilience: Target BCV xxxxxx was replaced with device yyyyyy as a result of a drive failure.

**Action**
Device replacements could affect recovery at the target site; Export the modified SRDF/AR configuration or manually record the device number changes.

**BCVA071E**

**Process proc, Substitution failed, insufficient spare devices, Symm nnnnnnnn-nnnnn**

**Cause**
SRDF/AR Resilience: A matching device was not found in the SRDF/AR Pool.

**Action**
Add additional spare devices matching the characteristics of the failed device(s) to the SRDF/AR Pool.
BCVA072I

Process proc, Substitution starting, Symm nnnnnnn-nnnnn

Cause
SRDF/AR Resilience: Substitution for one of more failed devices is starting.

Action
None - informational message.

BCVA073I

Process proc, Substitution complete, Symm nnnnnnn-nnnnn

Cause
SRDF/AR Resilience: Substitution has successfully completed for the failed devices.

Action
To capture the updated SRDF/AR configuration, execute the SRDF/AR MODIFY seq#,proc,EXPORT command.

BCVA074I

Process proc, Substitution bypassed, Symm nnnnnnn-nnnnn

Cause
SRDF/AR Resilience: Substitution was bypassed because of:
- Protected devices and policy controls P4 or P14
- R1-BCV or target STD failure and policy P11

Action
Schedule a replacement of the physical drive containing the failed mirrors.

BCVA075I

Process proc, Removing SDDF sessions for replaced xxxxxx, Symm nnnnnnn-nnnnn

Cause
SRDF/AR Resilience: After a substitution, the TimeFinder SDDF sessions are removed for the R1-BCVs or target BCVs.

Action
None - informational message.
BCVA076I

Process proc, Establish replacement xxxxxxxx, Symm nnnnnnn-nnnnn

**Cause**
SRDF/AR Resilience: After completing substitution, the BCVs must be Established.

**Action**
None - informational message.

BCVA077I

Process proc, BCV/STD xxxxxx/xxxxx full Establish issued, Symm nnnnnnn-nnnnn

**Cause**
SRDF/AR Resilience: A full Establish was issued for the BCV/STD pair

**Action**
None - informational message.

BCVA078I

Process proc, Verify issued for STD xxxxxx, Symm nnnnnnn-nnnnn

**Cause**
SRDF/AR Resilience: A VERIFY command was issued to resolve a synchronization problem.

**Action**
If the VERIFY was not successful, the process pauses.

BCVA079I

Process proc, Target STD xxxxxx cannot be replaced due to Policy, Symm nnnnnnn-nnnnn

**Cause**
SRDF/AR Resilience: Policy P9 prevents the substitution of the R2-STD devices.

**Action**
Schedule a replacement of the failed physical drive. After the logical devices are synchronized, reply “CONT” to the WTOR to continue the SRDF/AR Process.
BCVA080I

Process proc, BCV/STD xxxxxx not replaced due to Policy, Symm nnnnnnnnnnnn

Cause
SRDF/AR Resilience: Policy controls P4 (BCV) and P14 (R2) allows protected BCVs/R2s to run unprotected. Operation continues using the other mirror of the device.

Action
Schedule a replacement of the physical drive containing the failed BCV mirrors.

BCVA081E

Process proc, Pool not defined, Symm nnnnnnnnnnnn, Pool xxxxxxxx

Cause
SRDF/AR Resilience: The SRDF/AR process could not be started because the SRDF/AR pool is not defined.

Action
Run the GNS utility to define the SRDF/AR pool.

Note
The Dell EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide describes the GNS utility.

BCVA082E

Process proc, BCV/STD xxxxxx not replaced (FBA Meta), Symm nnnnnnnnnnnn

Cause
SRDF/AR Resilience: The device was not replaced because either the number of members in the FBA meta group exceeds the value specified for METAMAX or, if the failing device is an R1-BCV or target STD, it must be dynamic SRDF.

Action
Schedule a replacement of the failed physical drive.

BCVA083E

Process proc, BCV xxxxxx FBA Meta error - reason, Symm nnnnnnnnnnnn

Cause
SRDF/AR Resilience: An error occurred processing a substitution for an FBA meta device.
Action
Schedule a replacement of the failed physical drive.

BCVA084I

Process proc, CBCV mirror adjustment, Symm nnnnnnn-nnnnnn

Cause
SRDF/AR has determined that another BCV (a Concurrent BCV) is attached to a STD device and has dynamically adjusted to this condition. proc is the SRDF/AR process name and nnnnnnn-nnnnnn is the storage system serial number.

This message will be issued once for each storage system for each SRDF/AR process. Additional messages detailing the affected devices are written to the SCF trace dataset.

Action
None, this is an informational message. If SCF tracing is active, additional messages are recorded in the SCF trace file.

BCVA085I

Process proc, Dev xxxxxx is a member of Raid-10 Head xxxxxx

Cause
Issued in conjunction with BCVA063E when a N/R (Not Ready) mirror was found for a member of a Raid 1/0 group.

Action
The head device number may be needed to allow for a manual recovery of the device.

BCVA086I

Process proc, Source nnnnnnn-nnnnn, MCL nnnn, GK ccuu [(features)]

Cause
Issued at the start of a SAR Cycle for each source storage system in the SRDF/AR configuration. The storage system serial number, operating environment level (MCL) and gatekeeper CUU are displayed. Additionally, optional features are displayed; such as Clone (for clone emulation) and Multa (for multi-attach).

Action
None, informational.

BCVA087I

Process proc, Bunker nnnnnnn-nnnnn, MCL nnnn, RAG rag [(features)]
**CAUSE**
Same as BCVA086I, except issued for each bunker storage system in a SRDF/AR automated multi-hop configuration. RAG displays the SRDF group configured for the bunker storage system.

**ACTION**
None.

**BCVA088I**

*Process proc, Target nnnnnnn-nnnnn, MCL nnnn, RAG hoplist[(features)]*

**CAUSE**
Same as BCVA086I, except that it is issued for each target storage system in a SRDF/AR process. *hoplist* shows the SRDF group number or hoplist configured for the target storage system.

**ACTION**
None, informational.

**BCVA089W**

*Process proc, Symm nnnnnnn-nnnnn, Source STD nnnnnn[-nnnnnn] is an active R2 device / are active R2 devices*

**CAUSE**
The R2 mirror for the source STD device is active on the link (SRDF Ready). Because SRDF/AR does not support remote ECA, any updates to the R1 device could compromise consistency.

This is a warning with MAXRC =4 (or higher), otherwise, it is an error condition. This is not a normal mode of operation. The source STD devices for single-hop are typically not RDF. For automated multi-hop, the source STDs are configured as R1 devices.

**ACTION**
Suspend SRDF between the R1 and R2 devices (set the R1 to TNR, target not ready).

**BCVA090E**

*Process x, Feature Reg failed, RC xx/xxxx, Symm nnnnnnn-nnnn, Feature x*

**CAUSE**
TimeFinder/Clone feature x registration failed on storage system nnnnnnnn-nnnnn with RC xx/xxxx.

**ACTION**
If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
BCVA091E

Process proc, R2STDb xxxxxx has R1 INVALID tracks, Symm nnnnnnnnnnnnn, RAG rag

Cause
There are invalid tracks owed to R1 device from R2STDb in a multi-hop environment. The SRDF/AR process cannot be started.

Action
Determine the cause of the invalid tracks and use SRDF Host Component to resolve the invalid track condition before attempting a START or RESTART of the process.

BCVA092I

Process proc, first cycle will not be consistent

Cause
The SRDF/AR process found invalid tracks owed to the R1 from the R2 on step 01C. This means that consistency on this cycle cannot be guaranteed.

Action
None.

BCVA093E

Process proc, Symm nnnnnnnnnnnnn, STD|BCV xxxxxx is in SRDF/Metro group yy

Cause
The BCV (or STD) device xxxxxx on the storage system with serial nnnnnnnnnnnnn is included in the SRDF/AR process proc; however, it is in SRDF/Metro group yy, which is prohibited.

Action
Correct the definition of SRDF/AR process proc, excluding all devices in the SRDF/Metro group.

BCVA094I

Process proc, R1 xxxxxx has R2 Invalid Tracks, Symm nnnnnnnnnnnnn, RAG xx

Cause
An SRDF/AR process found invalid tracks owed to the R2 from the R1. This message is followed by BCVA092I.

Action
None.
BCVA095E

Process proc, R2STDb nnnnnn is in ADCOPY mode, Symm nnnnnnnn-nnnnnn, RAG nn

Cause
The R2STDb device is in Adaptive Copy mode in a multi-hop environment. Adaptive copy is not allowed in a multi-hop environment. The SRDF/AR process cannot be started.

Action
Review the SRDF/AR definition and correct the definition or change mode to Synchronous.

BCVE001I

Export complete for Process x, RC x

Cause
The EXPORT has completed for the current process, with the return code in the message.

Action
None.

BCVE002E

Output file not allocated

Cause
A SYSOUT file is not allocated in the JCL for the job.

Action
Specify a SYSOUT DD name in the JCL for job output.

BCVE003E

Open failed, RC x

Cause
OPEN process failed for the output file, with the return code in the message.

Action
Determine the meaning of the return code in the Data Management documentation, and take appropriate action. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
### BCVE005E

**DCB not open**

**Cause**
The DCB for the SYSOUT file is not open at the time of the I/O operation.

**Action**
If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

### BCVG009E

**Too many devices specified in GROUP**

**Cause**
An attempt was made to specify a group with more than 512 devices.

**Action**
Correct the problem and submit the job again.

### BCVG018I

**SYSIN line echoed**

**Cause**
The noncomment SYSIN statement is echoed.

**Action**
This is an informational message only. No user action is required.

### BCVG019W | BCVG019E

**SRDF message table overflow**

**Cause**
A request was made through the SRDF Host Component and the message table overflowed.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
Note
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

BCVG022E

SYMAPI-SYM Device failed processing SYMDEV xxxxxx

Cause
A request to the SYMAPI failed while processing the device.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVG023E

SYMAPI-SYMDEVICE returned SYMDEV xxxxxx, requested SYMXX DEV xxxxxx

Cause
A request to the SYMAPI returned incorrect information.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVG025E

Storage Obtain failed for SCFGBUF, rc xxxx, length yyyyyyy

Cause
Insufficient virtual storage was available for the SCF Group Name Services buffer.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
BCVI000E

DDname SYSIN not found

Cause
The SYSIN ddname is not present in your JCL.

Action
Specify the SYSIN ddname in your JCL.

BCVI001E

Open failed for DDname SYSIN

Cause
The SYSIN ddname is coded correctly.

Action
The record size must be 80.

BCVI002E

Following INPUT statement is invalid

Cause
The input statement does not start with a valid keyword.

Action
Specify a correct keyword.

BCVI003E

No ACTION found on INPUT line

Cause
No command was found on the input line.

Action
Specify the command to be performed before the end of the line.

BCVI004E

SYNTAX error on the following statement

Cause
A syntax error was encountered on the input statement.
Action
Review the statement and correct the error.

BCVI005E

CUU on statement (seq#) not found

Cause
The device specified was not found on your system.

Action
Specify a device on the storage system you wish to view.

BCVI006E

(seq#) SAICALL failed on device xxxxxx, return code xxxxxxxx/zz

Cause
A call to the SYMAPI storage system interface returned a nonzero return code. The probable cause is a device in an invalid state. The return code is the SYMAPI RC (xxxxxxx)/RS/yyyy and the location (zz).

Action
Verify the state of the device with the z/OS 'DS P, cuu' command. If this command completes without error and shows on-line channel paths then report the problem to Dell EMC Customer Support.

BCVI007E

CUUS/CUUP not a EMC device XXXXXX

Cause
The device specified is not on a Dell EMC storage system.

Action
Specify a device on the Dell EMC storage system you want to view.

BCVI008E

(seq#) Controller MICRO-CODE level is not valid

Cause
The device specified is on a Dell EMC storage system with an operating environment level earlier than 5063.

Action
The storage system must be at Enginuity 5063 or a later level of the operating environment.
BCVI009E

SEQUENCE NUMBER must be from 1 to 128

Cause
The sequence number specified is outside the allowable range.

Action
Specify a sequence number from one to 128.

BCVI010E

Only ONE GLOBAL statement is allowed

Cause
Two GLOBAL statements were specified.

Action
Delete one of the GLOBAL statements.

BCVI011W

No ACTIONS found before SYSIN EOF

Cause
No actions were found in the SYSIN file.

Action
Specify a command to be performed.

BCVI012E

More than nnnnn ACTIONS specified

Cause
More than nnnnn actions were specified in the SYSIN file, where nnnnn is the default value of 16384 decimal (or 4095 hex) or the value set in the MAXREQ parameter.

Note
The Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information about MAXREQ.

Action
Reduce the number of actions to the number specified by nnnnn or less.
BCVI013W | BCVI013E

Wait must be specified on SPLIT with VOLID

**Cause**
The VOLID option was specified on the SPLIT statement but the WAIT option is not specified.

**Action**
Specify the WAIT option in the GLOBAL or SPLIT statement.

**Note**
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

BCVI014E

Invalid syntax on VERIFY statement

**Cause**
The VERIFY option is specified incorrectly on a RESTORE request.

**Action**
Correct the syntax and submit the command again.

BCVI015E

VERIFY must be specified on a FULL RESTORE

**Cause**
A full RESTORE is specified and the required option VERIFY is missing.

**Action**
Specify the VERIFY option in the RESTORE statement and submit the command again.

BCVI016E

Number of STANDARD and BCV devices must be equal

**Cause**
The number of BCV and standard devices within the specified BCV device range and standard device range, respectively, are not the same.
Action
Check the number of BCV devices specified in the BCV device range against the
number of standard devices specified in the standard device range. Correct the
problem if they are not the same. Otherwise, contact the Dell EMC Customer Support
Center for technical assistance.

BCVI017E

Full RESTORE does not support device range

Cause
A device range was specified for a full RESTORE command.

Action
Correct the problem and submit the command again.

BCVI018I

SYSIN line echoed

Cause
The noncomment SYSIN statement is echoed.

Action
This is an informational message only. No user action is required.

BCVI019W | BCVI019E

SRDF message table overflow

Cause
The message table used in the SRDF to TimeFinder/Mirror interface has exceeded its
capacity.

Action
None.

Note
Depending on how you set the MAXRC parameter of the GLOBAL command, this
message can be returned as either an E (error) or W (warning). The description of the
MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers
TimeFinder/Mirror for z/OS Product Guide provides more information and describes
the relationship between MAXRC and the SETMAX argument.

BCVI020I

Start of INPUT control statement(s) from SYSIN
Cause
Identifies the start of the control statements read from the SYSIN file.

Action
This is an informational message only. No user action is required.

BCVI021I

End of INPUT control statement(s) from SYSIN

Cause
Identifies the end of the control statements read from the SYSIN file.

Action
This is an informational message only. No user action is required.

BCVI022E

(seq#) RESTORE specified VERIFY(FBADEV) but device not FBA

Cause
If you specify FBADEV with the VERIFY parameter, the device specified must be an FBA device.

Action
Specify FBA device or specify a volser other than FBADEV.

BCVI023E

(seq#) RESTORE specified FBA device but VERIFY VOLSER not FBADEV

Cause
On a full RESTORE of an FBA device, the VERIFY parameter must specify FBADEV.

Action
Specify FBADEV on the VERIFY parameter.

BCVI024E

VOLID specified on SPLIT not allowed for FBA device

Cause
An FBA device was specified with the VOLID parameter.

Action
The VOLID parameter is invalid with an FBA device.
**BCVI025E**

**DSN= keyword failed validation**

**Cause**
The dataset name specified is invalid.

**Action**
Correct the name and submit again.

**BCVI031E**

**GROUP specified on ESTABLISH but was not found in a GROUP definition**

**Cause**
The GROUP name specified was not found in the group statements defined in the TFBCVGRP DDname.

**Action**
Add a BCV group named as on the ESTABLISH GROUP statement.

**BCVI032E**

**GROUP name specified on ESTABLISH is too long**

**Cause**
The GROUP name must be between 1 and 20 characters.

**Action**
Correct the group name.

**BCVI033I**

**Specifies dataset statistics**

**Cause**
The number of volumes that the dataset resides on and up to ten of the unit addresses are displayed.

**Action**
This is an informational message only. No user action is required.

**BCVI037E**

**RANGE must not specify more than 4096 volumes**
Cause
A device range specification spans more than 4096 devices.

Action
Reduce the range specified.

BCVI038E

Invalid parameter combination

Cause
The combination of parameters specified is invalid.

Action
Correct the statement and submit again.

BCVI039E

(seq#) MICROCODE does not support CHANGEDONLY/BCVREFRESH keyword

Cause
The specified command parameter is not valid on the operating environment level of the storage system.

Action
Remove the parameter or upgrade the operating environment to 5x65 or later.

BCVI040E

(seq#) MICROCODE does not support HOLD/RELEASE/RMT

Cause
The specified command parameter is not valid on the operating environment level of the storage system.

Action
Remove the parameter or upgrade the operating environment to 5x65 or later.

BCVI041E

(seq#) RMT specified but controller is not RDF

Cause
RMT was specified, but the storage system is not part of an SRDF configuration.

Action
Specify an SRDF storage system.
BCVI042E

(seq#) RMT specified with no RAGRP and xxxxxx is not an R1 device

Cause
RMT was specified with no RAGRP and the cuu is not an SRDF device.

Action
Either specify an R1 SRDF device in the cuu parameter, or an RAGRP.

BCVI044E

Security check: descriptive_message

Cause
The Security Interface has denied access. The descriptive_message provides further information.

Action
The job is terminated, find the descriptive_message in the following table and take the corresponding action.

<table>
<thead>
<tr>
<th>descriptive_message</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCESS DENIED</td>
<td>The Security Interface has denied access to the resource, contact your security administrator for proper access.</td>
</tr>
<tr>
<td>SECURITY SUBSYSTEM IS NOT ACTIVE</td>
<td>The security interface is not running. Either start the security subsystem, or run job EMCSAFD from the SCF SAMPLIB to disable the security feature. Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides information about disabling the security feature.</td>
</tr>
<tr>
<td>EMCSAFRB ERROR - CLASS NOT SPECIFIED</td>
<td>The EMCSAFRB control structure passed to the security interface is in error. Field ESRBCLAS is not filled in. If you have customized the SAF interface, then review your changes for errors. If you have not customized the SAF interface, contact the Dell EMC Customer Support Center for technical assistance.</td>
</tr>
<tr>
<td>EMCSAFRB ERROR - INVALID AUTHORITY LEVEL REQUESTED</td>
<td>The EMCSAFRB control structure passed to the security interface is in error. Field ESRBATTR has an invalid value. If you have customized the SAF interface, then review your changes for errors. If you have not customized the SAF interface, contact the Dell EMC Customer Support Center for technical assistance.</td>
</tr>
<tr>
<td>descriptive_message</td>
<td>Action</td>
</tr>
<tr>
<td>------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>EMCSAFRB ERROR - RESOURCE NAME NOT SPECIFIED</td>
<td>The EMCSAFRB control structure passed to the security interface is in error. Field ESRBRNAM is not filled in. If you have customized the SAF interface, then review your changes for errors. If you have not customized the SAF interface, contact the Dell EMC Customer Support Center for technical assistance.</td>
</tr>
<tr>
<td>EMCSAFRB ERROR - INVALID DSTYPE VALUE SPECIFIED</td>
<td>The EMCSAFRB control structure passed to the security interface is in error. Field ESRBDSTY has an invalid value. If you have customized the SAF interface, then review your changes for errors. If you have not customized the SAF interface, contact the Dell EMC Customer Support Center for technical assistance.</td>
</tr>
<tr>
<td>EMCSAFRB ERROR - DSTYPE IS NOT M AND VOLSER NOT SPECIFIED</td>
<td>The EMCSAFRB control structure passed to the security interface is in error. Field ESRBDSTY has an invalid value. The value is not M, and field ESRBVSER is not filled in. If you have customized the SAF interface, then review your changes for errors. If you have not customized the SAF interface, contact the Dell EMC Customer Support Center for technical assistance.</td>
</tr>
</tbody>
</table>

**BCVI045E**

*(seq#) MICROCODE does not support WAITSYNC option on SPLIT action*

**Cause**
The specified command parameter is not valid on the operating environment level of the storage system.

**Action**
Remove the parameter or upgrade the operating environment 5x64 or later.

**BCVI046E**

*(seq#) MICROCODE does not support R2Sync/INSTant*

**Cause**
The version of the operating environment in the storage system is not at the correct level for this function.

**Action**
Contact your Dell EMC representative to obtain the current level of the operating environment.
**BCVI047E**

(seq#) RANGE start is higher then RANGE end

**Cause**
The CUU-CUU or SYM#DEV-SYM#DEV range specified on this statement is incorrect.

**Action**
Specify an ascending from-to range and submit the request again.

**BCVI048W | BCVI048E**

(seq#) MICROCODE does not support EXtended Query, reset to standard Query

**Cause**
The version of the operating environment in the storage system is not at the correct level for this function.

**Action**
Contact your Dell EMC representative to obtain the current level of the operating environment.

**Note**
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

**BCVI049E**

(seq#) MICROCODE does not support

**Cause**
The specified command parameter is not valid for the version of the operating environment that runs on the storage system.

**Action**
Remove the parameter or upgrade to a current level of the operating environment.

**BCVI050E**

(seq#) Mutually exclusive options:

**Cause**
The indicated options cannot be specified together.
Action
Remove one or both of the options.

BCVI051E

(seq#) RMT specified with no RAGRP and Concurrent RDF is enabled

Cause
When Concurrent SRDF is enabled, the RAGRP parameter is required for REMOTE actions.

Action
Specify the RAGRP parameter.

BCVI052E

STORAGE OBTAIN failed for indicated area

Cause
Insufficient storage was available for the indicated area.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVI053E

STORAGE RELEASE failed for indicated area

Cause
The Storage Release function failed for the indicated area.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVI054E

(seq#) xxxx xx devices are not on the same Symmetrix system

Cause
At least one device in the indicated device list is not on the same storage system as the other devices.

Action
Review the device lists and correct the devices that are in error.
**BCVI055E**

(seq#) Maximum number of Devices exceeded

**Cause**
The internal table capacity to contain the device list has been exceeded.

**Action**
Redefine the process, specifying MAXDEV(99999), to increase the table size.

**BCVI056E**

(seq#) Required parameter not specified:

**Cause**
The indicated parameter is required.

**Action**
Make sure all required parameters are specified.

**BCVI057E**

Source BCV xxxxxx is not an R1 device

**Cause**
The specified BCV device is not an R1 device.

**Action**
Specify a BCV device that is an R1.

**BCVI058E**

Invalid control unit type

**Cause**
The indicated storage system is invalid.

**Action**
Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot find a solution to your problem, contact the Dell EMC Customer Support Center for technical assistance.

**BCVI059E**

Controller is not RDF capable
**Cause**
The indicated storage system is not configured for SRDF.

**Action**
Correct the device lists to select the correct storage system.

---

**BCVI060E**

Required tables not defined for SRDF/AR

**Cause**
The indicated table is not defined.

**Action**
Review the input parameters for the correct device specifications. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

---

**BCVI061E**

MICROCODE does not support SAR

**Cause**
The indicated storage system is not running Enginuity 5x66 or a later level of the operating environment.

**Action**
Review the input parameters for the correct device specifications. Contact your Dell EMC representative for technical assistance and the correct version of the operating environment.

---

**BCVI062E**

(seq#) Invalid SRDF/AR request: reason

**Cause**
The SRDF/AR request failed for the indicated reason.

**Action**
Review the input parameters for the correct specifications. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
BCVI062W

Invalid SRDF/AR request: reason

Cause
The SRDF/AR request failed for the indicated reason.

Action
Review the input parameters for the correct specifications. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVI063E

Duplicate device entry, BCV CUU xxxxxx

Cause
The CUU indicated by xxxxxx has already been defined.

Action
Review the input parameters for the correct device specifications. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVI064I

SRDF/AR delete messages

Cause
The indicated SRDF/AR process or SRDF/AR environment have been deleted.

Action
None.

BCVI065E

Name/Token Services error - function, rc

Cause
The indicated Name/Token Services function failed with the return code rc.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct
the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**BCVI066E**

(seq#) Process proc not restarted, reason

**Cause**
The specified process could not be restarted because the previous run was forced or terminated with an error.

**Action**
All devices in the process must be restored to their initial state prior to resuming the process. After an error, a start request must be used to resume the process.

**BCVI067E**

(seq#) Process proc not added, maximum processes already defined

**Cause**
The process could not be added because the maximum number of processes are already defined.

**Action**
An existing process must be deleted in order to add another process. Contact the Dell EMC Customer Support Center for technical assistance.

**BCVI068E**

SAICALL failed on device xxxxxx, return code xxxxxxx/xx

**Cause**
call failed with return code/reason code

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**BCVI069E**

(xxxx) Gatekeeper device is not on the same Symm

**Cause**
An attempt was made to access devices through a Gatekeeper that was not on the same storage system.
Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVI070E

(xxxx) Source STD std_cuu is a SymmPAV device

Cause
During validation of the Symmetrix Automated Replication Facility the device std_cuu was found to be a SymmPAV device. SRDF/AR will not complete initialization.

Action
Correct the configuration.

BCVI071E

(xxxx) Number of devices in the DEV_LIST entries must be equal

Cause
The number of devices in SRCR1BCV, SRCSTD, and TGTBCV do not match.

Action
Correct the configuration.

BCVI072E

(xxxx) Protected BCV Establish is not currently supported

Cause
TimeFinder/Mirror does not currently support Protected BCV ESTABLISH.

Action
When the feature is available, an enabling patch will be issued. Contact the Dell EMC Customer Support Center for availability.

BCVI073I

(xxxx) Normal Split converted to Instant on microcode levels 5x68 and above

Cause
Support for a normal or traditional Split has been discontinued in Enginuity 5x68. The Split operation has been internally converted to an Instant Split.

Action
None.
BCVI074E

Invalid RDF group specified, a multi-hop list is not supported

**Cause**
A multi-hop list was specified for an SRDF/AR automated multi-hop request.

**Action**
Specify a single SRDF group associated with the R1-R2 pair.

BCVI075E

Concurrent RDF is enabled on STD xxxxxx, Symm nnnnnnn-nnnnnn

**Cause**
Concurrent SRDF is enabled on the R1 STD device and an SRDF group was not specified.

**Action**
Specify a single SRDF group associated with the R1-R2 pair.

BCVI076E

Invalid RA group specified for STD xxxxxx, Symm nnnnnnn-nnnnnn

**Cause**
An invalid RDF group was specified on the SRDF/AR definition.

**Action**
Specify a valid RDF group associated with the R1-R2 pair.

BCVI077E

Device xxxxxx invalid, Symm device number required, Symm nnnnnnn-nnnnnn

**Cause**
An invalid device number was specified.

**Action**
For SRDF/AR and all TimeFinder/Mirror commands, a PowerMax/VMAX device number representing the SRCR1BCV is required when the LCLR1BCV option is specified. The TGTBCV parameter requires a PowerMax/VMAX device number.

For a TimeFinder/Mirror operation, correct the command to specify a valid PowerMax/VMAX device number. For example:
Using the TF/Mirror Split command:

```
BCVI018I (0002) SPLIT 2,LCL(851F,1BC0)
BCVI021I End of INPUT control statement(s) from SYSIN
```

The message issued is:

```
BCVI077E Device 1BC0 invalid, Symm device number required, Symm 0001926-00313
BCVM047I All control statements processed, highest RC12
```

**BCVI078E**

Target BCV xxxxxxx cannot be an Rn device, Symm nnnnnnn-nnnnn, RAG xx

**Cause**
Either an R1 or an R2 device was specified for the target BCV device.

**Action**
Specify a non-SRDF BCV device for TGTBCV.

**BCVI079E**

(nnnn) BCV xxxxxxx Data Migration is active on Controller system

**Cause**
The storage system is currently in Data Migration mode. TimeFinder/Mirror operations are not available until the migration is complete and the storage system is returned to normal operational mode.

**Action**
Defer these requests until the migration is complete.

**BCVI080E**

(xxxx) CONFIG BCV is not currently supported

**Cause**
A request to change a standard to a BCV or BCV to standard is not currently supported.

**Action**
None.

**BCVI081E**

Symm table overflow (reason)
Cause
Internal processing error.

Action
Review the job log and SYSLOG for errors and check for a duplicate command. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVI082I

(xxxx) Symm nnnnnnn-nnnnn, ECA detected and [enabled | disabled]

Cause
ECA functionality has been detected on the storage system. If enabled is displayed, ECA will be utilized; otherwise, the IOSL method will be employed.

Action
If disabled is displayed, review the jobstream. Utilizing ECA provides better performance.

BCVI083E

(xxxx) Symm nnnnnnn-nnnnn, ECA requested but not available

Cause
ECA has been requested but is not available on the storage system.

Action
Remove the specification of ECA on the SPLIT command or change it to IOSL.

BCVI083W

(xxxx) Symm nnnnnnn-nnnnn, ECA requested but not available, reset to IOSL

Cause
ECA has been requested but is not available on the storage system. The request has been changed to use the IOSL method.

Action
None.

BCVI084I

Symm nnnnnnn-nnnnn, Conflicting Consistent Split options

Cause
Conflicting consistent split mode options have been detected for the storage system.
Action
Processing proceeds but may not be optimum. Utilizing ECA provides better performance.

BCVI085E

SRDF/AR validation error, device xxxxxx must be a BCV | STD, Symm nnnnnnn-nnnnn

Cause
The indicated device is not the correct type. If “BCV” is displayed, a STD device was supplied when a BCV is required. If “STD” is displayed, a BCV device was supplied when a STD is required.

Action
Review the input and correct the specification of the device in error.

BCVI086E

(xxxx) BCV xxxxxx is an FBA device, ineligible for ECA

Cause
Due to incompatibilities with open systems hosts, FBA devices are not eligible for ECA processing.

Action
Change the SPLIT command, specifying the IOSLevel option.

BCVI087E

(xxxx) Required parameter STDCUU not specified

Cause
The STDCUU parameter is required for a remote or local consistent split.

Action
Specify the standard device for which consistency is desired. This is the device where I/Os are held in the local system during the consistent split.

BCVI088E

API call failed, EMCSCF is not active

Cause
The Dell EMC Server Address Space is not active.

Action
Verify that EMCSCF is active and the correct subsystem name is specified.
BCVI089I

(XXXX) BCV XXXxxx is an FBA device

**Cause**
Informational message issued for a consistent split of FBA BCV devices.

**Action**
None.

BCVI090E

(XXXX) STDCUU required with IOSL or RMT

**Cause**
The STDCUU parameter is required when IOSL is requested or for a remote consistent split.

**Action**
Submit the command again, specifying the STDCUU parameter.

BCVI092E

(XXXX) Invalid RA Group specified

**Cause**
The specified SRDF group does not match the SRDF group for any mirror position on a R1 device in concurrent SRDF mode.

**Action**
Ensure that the R1 device in concurrent SRDF mode is in a valid R1-R2 relationship.

BCVI095E

(XXXX) Process X, SDDF ffff failed for XXXXXX, RC xx, RSNC xxxx, Symm nnnnnnn-nnnnn

**Cause**
The SDDF function failed.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
BCVI096E

(xxxx) BCV xxxxxx is a Striped CKD device, ECA not allowed, Symm nnnnnnnn-nnnnn

Cause
A consistent split of a striped CKD device requires a patch for the operating environment.

Action
Contact the Dell EMC Customer Support center for technical assistance with the patch.

BCVI097E

( xxxx) Required Gatekeeper device not specified

Cause
A gatekeeper device must be specified for LCLSTD and LCLR1BCV.

Action
Submit the SRDF/AR definition again, specifying a gatekeeper CUU.

BCVI098E

( xxxx) Symm nnnnnnnn-nnnnn, ECA required with LCLSTD

Cause
ECA is required when LCLSTD is specified.

Action
If ECA is available, remove the IOSL specification and submit the SRDF/AR definition again.

BCVI099E

( xxxx) MP mode required for xxxxxxx

Cause
The MPR1BCV parameter is valid for an MP-SRDF/AR definition only.

Action
Submit the SRDF/AR definition again, specifying HOP_TYPE(MP).
BCVI100E

(****) BCV/STD xxxxxx is an SRDF/A device

Cause
For an ESTABLISH/RESTORE using an R1 or R2 BCV, SRDF/A is not allowed on the BCV. A RESTORE is not allowed to an R2 STD that is an SRDF/A device.

Action
SRDF/A must be deactivated on the device before the command can be processed.

BCVI101W

(****) CO(N) specified for an Instant Split

Cause
All instant splits are differential (there is no option in the operating environment to allow a nondifferential split). The option is ignored.

Action
Do not try to perform a nondifferential split.

BCVI102E

STD xxxxxx has an active SRDFA session, Symm nnnnnnn-nnnnn, RAG xx

Cause
SRDF/A is not compatible with SRDF/AR.

Action
Review the SRDF/AR configuration and either change the definition to remove the SRDF/A devices, or deactivate SRDF/A.

BCVI103E

(****) Multi-hop not supported for a Remote Consistent Split

Cause
There is no concept of consistency for a remote multi-hop split.

Action
The operation is denied.

BCVI104E

Routine xxxxxxxxx failed, RC xx, RSNC xxxx
Cause
A routine failed with the indicated return and reason codes.

Action
Note the return and reason codes and contact Dell EMC Customer Support. Make sure you have all relevant job documentation

BCVI105E

(xxnn) Internal error - error reason

Cause
An internal routine failed.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVI106E

(xxnn) Invalid RDF mirror mask xx, BCV xxxxxx, Symm nnnnnnn-nnnn

Cause
The SRDF mirror mask is invalid for BCV xxxxxx. This could be caused by the device being in an unexpected state.

Action
Check the state of the device and correct if possible.

BCVI107E

(xxnn) Consistent Split not licensed, RC xx, Symm nnnnnnn-nnnn

Cause
The consistent split feature requires a valid Licensed Feature Code.

Action
Contact your Dell EMC sales representative for a valid Licensed Feature Code.

BCVI108W | BCVI108E

(xxnn) Symm nnnnnnn-nnnn, patch 18954 not applied

Cause
ECA with Striped CKD requires patch 18954.

Action
Contact your Dell EMC Customer Engineer for the required patch.
Note
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

BCVI109E

(xxxx) BCV xxxxxxx is a Raid 5 device. Versions of TimeFinder/Mirror prior to 5.4.0 do not support RAID 5 BCVs

Cause
RAID 5 (or RAID 6) protected BCVs are not supported by this version of TimeFinder/Mirror.

Action
Contact your EMC representative for a new version of TimeFinder/Mirror.

BCVI110W | BCVI110E

(nnmm) SCF v.r.m does not support multi-attach

Cause
This version of SCF (ResourcePak Base) does not support the multi-attach feature.

Action
The multi-attach operation requires ResourcePak Base 5.4 and available maintenance or later. Contact your Dell EMC representative to obtain the correct level of ResourcePak Base.

Note
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

BCVI111E

(yyyy) STD xxxxxxx is not a standard device

Cause
The device number specified as the STD (cuup or sym#std) is not a standard device. This message is given with clone emulation. TimeFinder/Mirror rejects an ESTABLISH or RESTORE command if you do not use a standard device. However, because clone emulation mode does not have this restriction, TimeFinder/Mirror explicitly checks for a standard device when clone emulation is used.
Action
Correct the command to specify a standard device.

BCVI112W | BCVI112E

(\textit{nnnn}) \textbf{Multi-attach requires patch 24159, Symm nnnnnnn-nnnnn}

Cause
The multi-attach parameter was specified, and Enginuity patch 24159 is not installed on storage system \textit{nnnnnnn-nnnnn}. If the message is a Warning, the command was issued for a single device pair only. Otherwise, it is rejected.

Action
Apply patch 24159 to all storage systems where multi-attach will be run.

Note
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

BCVI113W | BCVI113E

\textbf{Incomplete FBA Meta group, Device nnnnnn, Symm nnnnnnn-nnnnn}

Cause
An incomplete FBA Meta group was detected. For active operations, all members of the FBA Meta group must be specified. The members of the group are displayed by message BCVI114I.

Action
Update the input commands to include all members of the FBA Meta group.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information.

BCVI114I

\textbf{Stripe Head Members}

Cause
Header for FBA Meta group list - as a result of message BCVI113W | BCVI113E.

Action
Use this list of FBA members to update the input file to contain all members of the FBA Meta group.
Policy P2 not allowed with AMH

Cause
SRDF/AR Pooling (SRDF/AR Device Substitution) is not supported for automated multi-hop configurations.

Action
Re-define the SRDF/AR process without Policy P2.

Note
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

Format 1:

(XXXX) BCV XXXXXX, invalid Remote Consistent Split, STD XXXXXX is not an R2 device

Format 2:

(XXXX) BCV XXXXXX, invalid Remote Consistent Split, BCV Not Established

Cause
Format 1:
The STD device associated with the remote BCV device is not an R2. This is invalid for a remote consistent split. The purpose of a remote consistent split is to create a PIT on the remote BCVs that are related to the R1 device via the R2 STD (I/O is held on the R1 devices for the duration of the consistent split).

Format 2:
The BCV is not established. This is also invalid for a remote, consistent split.

Action
Verify the remote BCV device numbers.

SARPOOL requires SCF 5.5.0 with Pooling support

Cause
SRDF/AR Pooling (SRDF/AR Device Substitution) requires SCF 5.5.0 (or later) with pooling support.
**Action**
Apply SCF PTF SF55013.

**BCVI119W | BCVI119E**

*(xxxx) BCV xxxxxxx, ECA not set for Rn-STD xxxxxxx (reason)*

**Cause**
A consistent split was requested using the ECA (Enginuity Consistent Assist) feature, but ECA was not set for the STD device (R1 or R2) due to the stated reason. The reason could be one of the following:

- **R1 not TNR (for R2-STD)**
  If the R1 is not TNR (Target Not Ready), consistency cannot be assured.

- **Semi-sync or ADCOPY (for R1-STD)**
  If the R1 is not in Synchronous mode, consistency cannot be assured.

- **Remote R1-STD xxxxxxx (on nnnnnnn-nnnnnn)**
  Currently, ECA can be employed on the local storage system only. If the R1 device is on a remote storage system (identified by the serial number nnnnnnn-nnnnnn), ECA is not set.

**Action**
Unless ECA can be set for all STD devices participating in the consistent split, ECA will not be employed for any of the related STD devices and the request is changed to an instant split. Correct the condition and submit the job again.

**Note**
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

**BCVI120W | BCVI120E**

*(xxxx) BCV xxxxxxx, incorrect STDCUU specified (ccuu/dev# substituted)*

**Cause**
A consistent split was requested specifying the incorrect STD device. This is a warning when MAXRC=4 or higher - the correct device is substituted and the consistent split will execute. For an error situation, no substitution is attempted and the operation fails. The STDCUU field will contain dashes if any of the following conditions applies:

- The correct STD device is on a storage system that is remote from where the SPLIT command was issued.
- The correct STD device is not mapped to the system.
- The correct STD device has been excluded

**Action**
The STDCuu parameter is no longer required for a consistent split. It can be removed or changed to specify the correct STD device.
Note
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

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**BCVI121I**

ECA bypassed for SRDF/A Remote Consistent Split

**Cause**
Consistency for BCVs attached to SRDF/A R2 devices is managed by suspending SRDF/A during the split and does not require ECA.

**Action**
None.

---

**BCVI122W | BCVI122E**

Seq# nnnn: Consistent Split includes SRDF/A and non-SRDF/A devices, Consistency cannot be assured

**Cause**
A consistent split was requested for a mix of SRDF/A and non-SRDF/A devices. The request is converted to an instant split because consistency cannot be coordinated between these types of devices.

**Action**
Specify a different sequence number for the consistent split commands or change one set to an instant split.

---

**Note**
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

---

**BCVI123W | BCVI123E**

Seq# nnnn: Consistent Split converted to Instant Split

**Cause**
When ECA cannot be set for a STD device participating in a consistent split, the request is converted to an instant split and ECA will not be set for any of the STD devices.
Action
Refer to the accompanying BCVI119W | BCVI119E, BCVI122W | BCVI122E, or BCVI132W messages.

Note
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

BCVI124W

Function API call failed, CUU xxxxxx, RC xx/xxxx/xxxxxxxx

Cause
An API call failed for the indicated function.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVI125E

SRDF/AR Multi-Protection mode is not supported.

Cause
An attempt was made to use SRDF/AR multi-protection mode. This feature is no longer supported. After this message is issued, the process definition terminates.

Action
Change the SRDF/AR definition to automated multi-hop (AMH): HOP_TYPE=(MULTI).

BCVI126W | BCVI126E

File not allocated: ddname

Cause
The required file specified by ddname is not allocated to the TimeFinder/Mirror jobstep.

Action
Allocate the file to the TimeFinder/Mirror jobstep and rerun.
Note

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

BCVI127W

Tolerate Desired State ignored for Consistent Split.

Cause

If set, the TolerateDesiredState global parameter is ignored for a consistent split because of the BCVs cannot be guaranteed if all of them aren't split within the scope of the same protection mechanism. If you issue TolerateDesiredState(SPLIT) or TolerateDesiredState(ANY) in the same jobstep as a consistent split, BCVI127W is issued.

Action

The action depends on the state of the BCVs. If all the BCVs are attached, no action need be taken. If any BCV is not attached, the BCV fails. In this case, either:

- Establish the BCV(s) and rerun the consistent split.
- Convert the consistent split to an instant split.

BCVI128W

Controller level ECA Clear disabled for RMT Consistent Split - reason

Cause

The cause depends on the reason displayed. reason can be:

- multiple RA groups

  Storage system-level ECA Clear is not supported when different SRDF groups from a source storage system to the same target storage system are detected at the same sequence level for a RMT consistent split.

- mixed-mode ECA

  Storage system-level ECA Clear is not supported for mixed mode ECA (resulting from inconsistent SRDF states for the related R1/R2 devices).

Action

For the multiple SRDF group case, specify the same SRDF group on all RMT consistent split commands between the same pair of storage systems.

For the mixed-mode ECA case, examine the SRDF state of the related R1/R2 STD devices. If any R2 is TNR and another is not, or if any of the STDs are active R2 devices and others are not, or if a combination of these states exist, set all the STD devices to a consistent SRDF state. If this is neither desirable nor possible, specify CONS(ECACLEAR(SEQLVL)) to suppress the message. For a non-RMT consistent split, the ECACLEAR default is CNTRL.
BCVI129E

Unable to determine device data for Symm nnnnnnn-nnnnn

Cause
This is an error condition and is followed by a user abend (abend code 129). It indicates an internal error.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVI130W

Symm nnnnnnn-nnnnn does not support Multi-Attach

Cause
Multi-attach was requested, but the storage system on which the devices reside does not support it. The command will be processed as if multi-attach had not been requested.

Action
Do not use multi-attach or restructure your code/actions in such a way that you use a storage system that does support multi-attach.

BCVI131W

(xxxx) BCV xxxxxxx is not attached - cannot perform Consistent Split

Cause
The current BCV is not attached, and therefore cannot be split.

Action
In order to obtain a consistent split, submit the request again after ensuring that all BCVs are attached to standard devices.

BCVI132W

Seq# nnnn: Consistent Split includes unattached BCV, consistency cannot be assured

Cause
When one or more BCVs is not attached in a consistent split, the request is converted to an instant split and ECA will not be set for any of the STD devices.
Action
Refer to the accompanying BCVI123W | BCVI123E message. If a Consistent Split is desired, establish all BCVs and rerun the job.

**BCVI133W**

(****) BCV xxxxxx, Consistent Split allowed for (rrrrrrrrrr)

**Cause**
The ALLOWNONSYNC subparameter has been specified within the CONS parameter of the GLOBAL command, to allow a consistent split to continue, even though the STD device in the split is in Adaptive Copy mode.

**Action**
None.

**BCVI134W**

(****) BCV xxxxxx is in tolerance mode - cannot perform consistent Split

**Cause**
The STD device attached to the BCV is in an SRDF relationship that is in tolerance mode.

**Action**
Determine the reason that tolerance is on for the SRDF pair. For example, MSC may have become inactive. Change the SRDF configuration so that tolerance mode is off, before attempting a Consistent Split.

**BCVI135W**

Seq# nnnn: Consistent Split includes MSC and non-MSC devices, consistency cannot be assured

**Cause**
A mix of MSC mode and non-MSC mode SRDF/A SRDF groups was detected during Consistent Split processing at the same sequence level.

**Action**
Code the splits with the SRDF groups at different sequence levels, if consistent SRDF/A splits are required. Otherwise, the splits are converted to Instant Splits (if MAXRC =4 or more).

**BCVI136W**

(****) BCV xxxxxx is in CEXMPT mode -- cannot perform a Consistent Split
Cause
A Consistent Split has been requested, but the BCV or STD device specified is in an SRDF/A group that is in Consistency Exempt mode.

Action
None. When TimeFinder writes this message, it also converts the split to an Instant Split.

BCVI137E

BCV xxxxxx is a Thin Device that is currently Unbound - Command Rejected

Cause
A device number was specified for an unbound thin device.

Action
Add the device to a pool of bound devices in the storage system, then run the job again.

BCVI138E

No FBA Meta data for Symm nnnnnnn-nnnnn

Cause
A device in a TimeFinder/Mirror command was identified as a member of an FBA Meta group, but no Meta data was found on the storage system for that group.

Action
Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVI139I

FBA Meta group will be completed and processed

Cause
An FBA Meta group was found to be incomplete, and the Meta Head device number was specified. The group will be completed internally and processed.

Action
None.

BCVI140E

FBA Meta group not found for STD device xxxxxx

Cause
An incomplete FBA Meta group for a BCV was in the process of being internally completed, but the FBA Meta group for the STD device in the command was not
found. This error will occur only when the TimeFinder/Mirror command in process requires a STD device to be specified (for example, Full Establish).

**Action**
Make sure that the STD device in the command is the Meta Head of the FBA Meta group for the STD. Then run the job again.

**BCVI141E**

FBA Meta Head not specified - group not completed

**Cause**
An incomplete BCV FBA Meta group was found, and the Meta Head device was not specified in the command.

**Action**
Specify the Meta Head device for the BCV FBA Meta group, and rerun the job. Specifying the GLOBAL command with the FBAMETA(ALLOWINCOMPLETE) parameter will allow for just one member to be processed.

**BCVI143E**

(****) BCV xxxxxxx is a VFCache Device - Command Rejected

**Cause**
The BCV in the current command is a VFCache device, which is not allowed in TimeFinder/Mirror operations.

**Action**
Run the job again with a device that is allowed to be used with TimeFinder/Mirror commands.

**BCVI144E**

(****) BCV xxxxxxx is an FTS Encapsulated Device - Command Rejected

**Cause**
The BCV in the current command is a FTS encapsulated device, which is not allowed in TimeFinder/Mirror operations.

**Action**
Run the job again with a device that is valid in TimeFinder/Mirror commands.

**BCVI145E**

(****) SYMDEV xxxxxxx is not a BCV (PROC_QRYBUF)

**Cause**
A BCV entry for the device number xxxxxxx was not found in the BCV Query buffer.
**BCVI146W**

**Action**
Determine why the device number is not a BCV. Run the job again with a valid BCV device.

**Cause**
(xxxx) SAR DELETE FORCE specified - common storage for Group data structures could be lost

**Action**
If desired, redefine the SAR process

**More Information**
This message will be issued for a SAR DELETE,FORCE only if the active flag is set for the process and a SAR STOP was previously issued.

**BCVI147E**

**Cause**
A STORAGE RELEASE failed with return code rcod for the storage area area in subpool sss at address aaaaaaaa, for a length of lllllllll.

**Action**
Contact the Dell EMC Customer Support Center for assistance. Provide the TimeFinder job output and the z/OS system log. It might be helpful to schedule a dump of common storage.

**BCVI148W|BCVI148E**

First SRDF/A dev std1xx(bcv1xx), Symm nnnnnnnn-nnnnn; non-SRDF/A dev std2xx(bcv2xx), Symm nnnnnnnn-nnnnn

**Cause**
A Consistent SPLIT was requested for a mix of SRDF/A and non-SRDF/A devices at the same sequence number. First SRDF/A and non-SRDF/A devices are indicated. Refer to the BCVI122W/E message description.

**Action**
None.
BCVI149W | BCVI149E

Seq# nnnn: Consistent Split includes multiple MSC Groups, consistency cannot be assured

Cause
A consistent split was requested for a range of devices which belong to different MSC groups. If MAXRC>=4, the request is converted to an instant split, otherwise exit with error.

Action
Specify a different sequence number for the consistent split commands or change one set to an instant split.

Note
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

BCVI150W | BCVI150E

Seq# nnnn: Consistent Split includes multiple SRDF/A groups without MSC, consistency cannot be assured

Cause
A consistent split was requested for a range of devices which belong to multiple SRDF/A groups without MSC.

Action
Determine the reason MSC is inactive before attempting another consistent split, or code the splits with the SRDF groups at different sequence levels, if consistent SRDF/A splits are required. Otherwise, the splits are converted to instant splits (when MAXRC>=4).

Note
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

BCVI151E

(xxxx) Issue STOP(FORBCE) separately before using DELETE(FORCE)
**Cause**
The SRDF/AR process for which the DELETE(FORCE) command has been issued is actually working (not abnormally terminated without clearing the Active flag).

**Action**
Stop the SRDF/AR process for which this error message has been issued or wait until it stops if the STOP command has already been issued for it.
The STOP command for this SRDF/AR process must be issued in a separate job step or through ResourcePak Base.

### BCVI152E

**Cause**
A remote command was specified with more than four SRDF groups. A maximum of four SRDF groups are supported for multihop configurations.

**Action**
Resubmit the command with four or fewer SRDF groups.

### BCVI153W

**Cause**
A mix of MSC mode and non-MSC mode SRDF/A SRDF groups was detected during Consistent Split processing at the same sequence level. First MSC and non-MSC devices and storage systems are specified. Refer to the BCVI135W message description.

**Action**
None.

### BCVI154E

**Cause**
The specified BCV and STD devices have different meta statuses.

**Action**
Ensure the correct devices have been specified. Make sure that the STD and BCV devices in the command are both the meta heads of the FBA meta groups, or are both meta members with equal indexes in the meta group.
BCVI155E

(seq#) command rejected, BCV xxxxxx is ddd, STD yyyyyy is ttt

**Cause**
The specified BCV and STD devices xxxxxx and yyyyyy are different device types ddd and ttt. BCV is an FBA device when STD is a CKD device or vice versa.

**Action**
Specify BCV and STD devices of the same device type.

BCVI156I

(xxxx) BcvState parameter will be ignored

**Cause**
BcvState parameter was specified for MODIFY DEFINE command. This parameter is ignored.

**Action**
None.

**More Information**
Previously, the BcvState parameter was allowed to control the state (READY/NR) of BCVs in an SRDF/AR configuration after SPLITs. However, this option is no longer supported - all BCVs are to be left NR after SPLITs.

BCVI157W | BCVI157E

Seq# nnnn: STD device xxxxxx has R1 invalid trks, consistency cannot be assured

**Cause**
Invalid tracks are owed to the R1 from the STD device. This is a message is issued as a warning (W) when MAXRC =4 or higher - request is converted to an instant split. In other situations, the operation fails.

**Action**
Determine the cause of the invalid tracks and use SRDF Host Component to resolve the invalid track condition before executing the consistent split command.

**More Information**
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.
BCVI158E

(xxxx) SYMDEV xxxxxx is a RAID10 member. Only RAID10 head devices can be specified

Cause
RAID10 members cannot be specified in the statement.

Action
Make sure that only RAID10 head devices are specified in the statement. RAID10 members will be determined by the head. Then run the job again.

BCVI159I

(xxxx) IOSLEVEL was converted to ECA

Cause
TimeFinder automatically converts IOSLEVEL to ECA if ECA functionality has been detected on the storage system. Utilizing ECA provides better performance.

Action
None.

BCVI160E

(xxxx) Remote request with no link available

Cause
Some SRDF groups defined in the request are offline or do not exist.

Action
Verify the state of the groups defined in the request and make sure that they are in the appropriate state. If all groups exist and are online, then report the problem to the Dell EMC Customer Support Center.

BCVI161E

(xxxx) Path to CUU xxxxxx not found

Cause
The probable cause is that the device is physically unavailable.

Action
Verify the state of the device with the z/OS 'DS P, cuu' command. If this command completes without error and shows on-line channel paths, report the problem to the Dell EMC Customer Support Center.
BCVI162E

(xxxx) Invalid RDF group found: XX

**Cause**
A non-hex SRDF group number was specified in the remote command.

**Action**
Specify a correct SRDF group number and re-submit the command.

BCVI163E

Full RESTORE LOCAL supports device ranges only with VERIFY(FBADEV) specified

**Cause**
Full restore for a range of devices is only allowed for FBA devices; therefore, VERIFY(FBADEV) is required.

**Action**
Ensure that devices in the range are FBA and VERIFY(FBADEV) is specified, or use the Full Restore command without range (LOCAL or via CUU) for CKD devices.

BCVI164E

Unable to determine R1-R21 link mode - R1 is more than 4 hops away from gatekeeper.

**Cause**
A remote Consistent SPLIT command was specified with three or less SRDF groups but in fact the number of hops from the gatekeeper to the ECA device is more than 4.

**Action**
Check your environment and change the remote Consistent SPLIT command to have less than 4 hops from the gatekeeper to the ECA device.

BCVI165E

Maximum RDF hops exceeded for Consistent Split.

**Cause**
A remote Consistent SPLIT command was specified with more than three SRDF groups. A maximum of three SRDF groups are supported for the remote Consistent SPLIT command.

**Action**
Resubmit the command with three or fewer SRDF groups.
BCVI166E

BCVI166E (xxxx) Not authorized to override parm

Cause
The user is not authorized to override parameter parm of the current command. This is caused by Site Options security configurations.

Action
Define SITE-OPTIONS-OVERRIDE in appropriate class (as described in the Dell EMC Mainframe Enablers Installation and Customization Guide) or remove the parameter from the input and re-run the command sequence.

More Information
See the Dell EMC Mainframe Enablers Installation and Customization Guide and TimeFinder/Mirror documentation for more information about TimeFinder/Mirror Site options configuration.

BCVI167E

(xxxx) STD xxxxx is SRCSTD device and cannot be specified as a gatekeeper when IOSLEVEL is requested

Cause
IOSLEVEL was requested and one of source STDs (SRCSTD) listed in the DEVice_List parameter was specified as a gatekeeper, or a gatekeeper was not specified.

Action
Specify a correct gatekeeper in the command and try again.

BCVI168I

+------------------- Site Options for TF/Mirror -------------------+

or

+------------------------------------------------------------------+

Cause
Title and line separator for the Site Options for TF/Mirror report.

Action
None.

More Information
For more information on the Site Options for TF/Mirror report, refer to the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide.
| Command | Parameter | Site options | Current value |

**Cause**
Displays column headers for the Site Options for TF/Mirror report.

**Action**
None.

**More Information**
For more information on the Site Options for TF/Mirror report, refer to the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide.

| command_name | parameter_name | site_option_value | current_value |

**Cause**
Used to display rows of the Site Options for TF/Mirror report:

- *command_name* — The TF/Mirror or SRDF/AR command used to define the site option.
- *parameter_name* — A TF/Mirror or SRDF/AR command parameter used to define the site option.
- *site_option_value* — The TF/Mirror or SRDF/AR command parameter value set as the site option (either out-of-the-box or customized).
- *current_value* — The actual value applied on the operator command.

**Action**
None.

**More Information**
For more information on the Site Options for TF/Mirror report, refer to the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide.

* - Takes effect when corresponding command parameter is issued with no sub-parameters

**Cause**
Represents a footnote to the Site Options for TF/Mirror report.

**Action**
None.

**More Information**
For more information on the Site Options for TF/Mirror report, refer to the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide.
BCVI172I

# - Override allowed only for authorized users

**Cause**
Represents a footnote to the Site Options for TF/Mirror report.

**Action**
None.

**More Information**
For more information on the Site Options for TF/Mirror report, refer to the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide.

BCVI176E

(xxxx) Command rejected - Symm nnnnnnn-nnnnn, STD|BCV xxxxxx is in SRDF/Metro group yy

**Cause**
The BCV (or STD) device xxxxxx on the storage system with serial nnnnnnn-nnnnn is involved in processing of the command referenced by statement number xxxx; however, it is in SRDF/Metro SRDF group yy, which is prohibited.

**Action**
Review the TimeFinder/Mirror command input and exclude all devices which are in the SRDF/Metro group.

BCVI177E|BCVI177W

(seq#) Duplicate command request specified for BCV dev#

**Cause**
Duplicate ESTABLISH, RE-ESTABLISH, or SPLIT commands are found in the same seq#.

When MAXRC<4, this message is issued as an error message (BCVI177E). Processing stops with RC=8.

With MAXRC>=4, this message is issued as a warning (BCVI177W). Processing continues but the duplicate request is skipped.

**Action**
Verify there are no duplicate commands in the same sequence number.

BCVM000E

(seq#) CUUP/CUUS are not in the same controller

**Cause**
The devices specified are not on the same storage system.
Action
Specify devices that are on the same storage system. To get a listing of your BCVs use the QUERY action.

BCVM001E

(seq#) Device xxxxxx is not a BCV

Cause
The device specified is not a BCV.

Action
Use the QUERY command to display your BCVs.

BCVM002E

I/O error occurred while retrieving device information

Cause
An I/O occurred while retrieving information from the storage system or no BCVs exist on the storage system.

Action
The specified device may be offline, but there must be a path to the device online. Use the z/OS command DISPLAY PATH to view the path status.

BCVM003I

....BCV.... ....STD.... ACTION LAST PROT MIRROR BCV
CUU SYM# CUU SYM# ITRK-BCV ITRK-STD STATUS USED BCV EMUL #CYLS TYPE_SYNC MODE

Cause
Specifies the heading for the QUERY command. The field descriptions are as follows:

BCV-CUU
The z/OS cuu address if it is available.

BCV-SYM#
The internal Dell EMC device number of the BCV.

STD-CUU
The OS/390 or z/OS cuu address if it is available. This field is not displayed if the BCV is in HOLD status, or was never attached.

STD-SYM#
The internal EMC device number for the standard device. This field is not displayed if the BCV is in HOLD status, or was never attached.

ITRK-BCV
The number of tracks to be refreshed on the BCV device after an ESTABLISH or RE-ESTABLISH command has been issued.
With Mainframe Enablers 8.2 and later, if the count is larger than 99999, the value is divided by 1024, rounded to the nearest thousand and appended with ‘K’; for example: 1182K.

**ITRK-STD**

The number of tracks to be refreshed on the standard device after a RESTORE has been issued.

With Mainframe Enablers 8.2 and later, if the count is larger than 99999, the value is divided by 1024, rounded to the nearest thousand and appended with ‘K’; for example: 1182K.

**STATUS**

The status of the BCV, the following are valid:

- **AVAIL**
  - BCV is available.

- **AVAILB**
  - BCV is available, last command did not complete (SPLIT with force used).

- **INUSE**
  - BCV is attached to a standard device.

- **INUSX**
  - BCV is attached and the copy process is in progress.

- **HOLD-S**
  - BCV is the hold source of a SNAP.

- **HOLD-T**
  - BCV is the hold target of a SNAP.

- **HOLD-U**
  - User hold. The user issued a CONFIG HOLD against the device. Use the CONFIG RELEASE command to change this state.

- **HOLDNR**
  - BCV is held and Not Ready.

- **NR**
  - BCV is Not Ready to the host.

- **TERM**
  - BCV is processing a SPLIT action.

- **UNBND**
  - BCV is unbound THIN device.

**Note**

The description of CONFIG and its parameters in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information about these statuses.

**ACTION-USED**

The command used to pair the BCV and standard device:
RSTR
RESTORE command used.

EST
ESTABLISH or RE-ESTABLISH command used.

LAST-BCV
The PowerMax/VMAX device number of the BCV device that was last paired with the standard device.

EMUL
The emulation type of the BCV, for example: 3380 =3380 device emulation, 3390 =3390 device emulation. Suffix 'T' denotes that the device is THIN. Suffix 'G' denotes that the device is operating in Geometry Compatible Mode (GCM).

#CYLS
The number of cylinders on the BCV device. With Mainframe Enablers 8.2 and later, if the count is larger than 99999, the value is divided by 1024, rounded to the nearest thousand and appended with ‘K’; for example: 1182K.

PROT-TYPE
The BCV protection type:

R1
BCV is a R1 device when it has the status of AVAIL, AVAILB, HOLD or NR.

MIRR
BCV has at least one local mirror.

None
BCV is not mirrored.

THIN
BCV is a thin device.

MIRROR-SYNC
This field is only valid if the BCV status is not INUSE and the BCV is mirrored:

YES
BCV mirror is synchronized to the BCV.

xxxxxxx
Number of tracks on the BCV mirror that are not synchronized to the BCV.

MODE
The mode of the BCV. The values in this column can be:

RD5
The BCV is a RAID 5 protected device

RD5/CLONE
The BCV is a RAID 5 protected device processing in clone emulation

RD6
The BCV is a RAID 6 protected device

**RD6/CLONE**

The BCV is a RAID 6 protected device processing in clone emulation

**R10**

The BCV is a RAID 10 protected device

**R10/CLONE**

A RAID 10 pair processing in clone emulation

**CLONE**

The BCV is a non-RAID 5 or RAID 6 protected device operating in clone emulation mode

*(blank)*

The device is a non-RAID 5 or RAID 6 protected device not operating in clone emulation mode

If a larger BCV is established to a smaller STD, the value displayed in the **MODE** column is followed by **B>**, for example: **RD5/CLONE B>**.

**Action**

None.

---

**BCVM004I**

The command that is going to be executed

**Cause**

Specifies the command that is going to be executed. For example:

MULTI-DELINC BCV devices xxxxxx-xxxxxx

The message may include a device list such as the following:

```
dev##(seq#),low_end#-high_end#(seq#)
```

Devices in the list are separated by commas and no spaces. If you include a range of devices, format the devices as **low_end#-high_end#**. The number in parentheses (seq#) is the statement number. This device list format is used in multi-instant split device lists and in multi-attach operations (MULTI-DELINC, MULTI-ESTABLISH, or MULTI-REESTABLISH).

**Action**

None.

---

**BCVM005E**

ESTABLISH rejected, <reason>
**Cause**
The ESTABLISH command was rejected for the indicated reason.

**Action**
Correct the problem and re-issue the command.

---

**BCVM006E**

ESTABLISH failed on BCV xxxxxxx, reason code yy

**Cause**
The ESTABLISH command failed. If the EQCAxxxE message identifier in the BCVM114I message is not generated, see the return codes in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide. If this was a remote request, xxxxxx specifies the cuu on the source storage system. See the previous message to identify the failing BCV.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

---

**BCVM007I**

Invalid tracks on xxxxxxx xxxxxxxxx/yyyyyyyy

**Cause**
Specifies the number of invalid tracks during synchronization processing. This message will only appear when DEBUG is specified.

**Action**
None.

---

**BCVM008W | BCVM008E**

SPLIT rejected, SPLIT rejected, BCV xxxxxxx is not in use

**Cause**
The split of the BCV specified has been rejected.

**Action**
Use QUERY to display the BCVs and their status.

**Note**
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.
BCVM009E

SPLIT failed on BCV xxxxxx, reason code yy

Cause
The SPLIT command failed. If the EQCAxxxE message identifier in the BCVM114I message isn't generated, see the return codes in “TimeFinder/Mirror reason codes” in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVM010E

RE-ESTABLISH rejected, BCV xxxxxx is in use

Cause
The BCV specified is already in use.

Action
Use QUERY to display your BCVs and their status.

BCVM011E

RE-ESTABLISH failed on BCV xxxxxx, reason code yy

Cause
The RE-ESTABLISH command failed. If the EQCAxxxE message identifier in the BCVM114I message isn't generated, see the return codes in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide.

Action
Correct the problem and re-issue the action. If the command specified is correct or the code is not listed, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

BCVM012E

RESTORE rejected, <reason>

Cause
The RESTORE command was rejected for the indicated reason.

Action
Correct the problem and re-issue the command.
BCVM013E

RESTORE failed on BCV xxxxxx, reason code yy

Cause
The RESTORE command failed. If the EQCAxxxE message identifier in the BCVM114I message isn't generated, see the return codes in “TimeFinder/Mirror reason codes” in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide.

Action
Correct the problem and re-issue the action. If the command specified is correct or the code is not listed, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

BCVM016E

User exit xxxxxxxx not found

Cause
The USEREXIT command specified a load module that could not be found.

Action
Specify a valid load module.

BCVM017I

User exit return code xxxxxxxx

Cause
The return code from the USEREXIT routine.

Action
None.

BCVM018E

Wait time exceeded, BCV xxxxxx

Cause
While waiting for the completion of an event, the internal wait timer expired.

Action
Use the QUERY command to view the status of the BCV. If it is not in the desired state, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
**BCVM019E**

Standard device xxxxxx must be OFFLINE

**Cause**
On a full restore operation the standard device was online to z/OS.

**Action**
Vary the standard device offline before trying the restore again.

**BCVM020E**

BCV xxxxxx FORCE not allowed for INSTANT-SPLIT

**Cause**
A SPLIT request was specified with the both INSTANT(Y) and FORCE parameters.

**Action**
Remove either parameter and submit the SPLIT request again.

**BCVM021E**

BCV xxxxxx ENQ failed, in use by another JOB

**Cause**
The BCV specified is being processed by TimeFinder/Mirror on this or another system.

**Action**
Wait until the BCV is available or use another BCV.

**BCVM022E**

No BCV’S on controller

**Cause**
A QUERY command was issued against a storage system with no defined BCVs.

**Action**
Define some BCVs and re-issue the action.

**BCVM023W | BCVM023E**

BCV xxxxxx had invalid tracks on a SPLIT
Cause
A SPLIT command was issued against a BCV although the BCV has invalid tracks from a previous ESTABLISH/RE-ESTABLISH command. The command completed because FORCE was specified.

Action
Any track that was not copied because of the SPLIT will receive a data check until it is formatted.

---

Note
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

---

**BCVM024E**

SPLIT rejected, BCV xxxxxxx is TERMINATING

Cause
During a SPLIT command the BCV device was found in a terminating state.

Action
None.

---

**BCVM025E**

BCV xxxxxxx exceeded wait time on TERMINATE

Cause
During a SPLIT command the pair did not separate in the allotted time.

Action
Issue a QUERY command to see if the pair split, if not contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

---

**BCVM026E**

BCV dev# must not be ONLINE for ACTION

Cause
An ESTABLISH or RE-ESTABLISH command has been requested although the BCV is online. If this was a remote request then the specified device is the device on which the I/O was issued. Message BCVM043 specifies the PowerMax/VMAX device that is online in the remote storage system.

dev# is CUU when ESTABLISH or RE-ESTABLISH is requested by CUU. But when LCL or RMT syntax is used, dev# is the PowerMax/VMAX device number.
**Action**
The BCV must be offline to all connected systems for the requested action.

**BCVM027E**

| BCV xxxxxx last ESTABLISH was incomplete |

**Cause**
A RESTORE command was issued against a BCV although the last ESTABLISH to the BCV did not complete. RESTORE terminated.

**Action**
There must be a successful ESTABLISH to the BCV before the RESTORE command can be used.

**BCVM028E**

| BCV xxxxxx Had INVALID tracks on a SPLIT |

**Cause**
A SPLIT command was issued against a BCV although the BCV has invalid tracks from a previous ESTABLISH/RE-ESTABLISH action. The command is terminated.

**Action**
None.

**BCVM029W | BCVM029E**

| CLIP failed on BCV xxxxxx, reason code xx |

**Cause**
The CLIP (Change Label In Place) function failed on the BCV device for the reason returned in the reason code.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**Note**
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.
<table>
<thead>
<tr>
<th>Code</th>
<th>Message</th>
<th>Cause</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCVM030I</td>
<td>CLIP VOLID(vvvvvv) complete on BCV xxxxxx</td>
<td>The VOLID option specified on the split has been completed. xxxxxx is the specified BCV device and vvvvv is the new volser for the BCV after the split.</td>
<td>None.</td>
</tr>
<tr>
<td>BCVM031R</td>
<td>FULL RESTORE DEVICE xxxxxx, REPLY Y TO RESTORE OR N TO FAIL</td>
<td>A full RESTORE command has been requested.</td>
<td>The operator must confirm the request.</td>
</tr>
<tr>
<td>BCVM032E</td>
<td>Operator failed RESTORE of device xxxxxx</td>
<td>The operator failed the full RESTORE request.</td>
<td>Contact the operator.</td>
</tr>
<tr>
<td>BCVM033E</td>
<td>Device xxxxxx failed VOLID(vvvvvv) verification.</td>
<td>A full RESTORE was requested but the supplied volser on the VERIFY option does not specify the correct volser of the device. Where xxxxxx is the specified standard device and vvvvvv is the specified volser.</td>
<td>Verify that the devices are correctly specified.</td>
</tr>
<tr>
<td>BCVM034E</td>
<td>I/O failure on device xxxxxx while reading VOLSER, RC xx</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Cause
A full RESTORE was requested and during the volser identification process an I/O error occurred.

The codes are as follows:

<table>
<thead>
<tr>
<th>xx</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>Device not operational.</td>
</tr>
<tr>
<td>08</td>
<td>I/O error.</td>
</tr>
<tr>
<td>12</td>
<td>UCB failed validation.</td>
</tr>
</tbody>
</table>

Action
Check that the device specified is correct.

**BCVM035R**

PARTIAL RESTORE FROM BCV xxxxxxxx, REPLY Y TO RESTORE OR N TO FAIL

Cause
A partial RESTORE command has been requested.

Action
The operator must confirm the request.

**BCVM036E**

SRDF message table overflow

Cause
The message table used in the SRDF to TimeFinder/Mirror interface has exceeded its capacity.

Action
None.

**BCVM038I**

VTOC, IXVTOC, and VVDS updated

Cause
The VOLID extended option was selected on the SPLIT action. For a description of this function, refer to the SPLIT command description in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide.

Action
None.
**BCVM039I**

(seq#) Process input statement

**Cause**
The inputs statements are displayed and numbered. The statement number is used in other messages to relate the command back to the input statement.

**Action**
None.

**BCVM040E**

No BCV Selection Could Be Made

**Cause**
A dataset name was specified on a command and no match could be made to a BCV. For a ESTABLISH command, no BCVs may be available, or available in the BCV group specified.

For a RE-ESTABLISH command, the original BCV device could not be located or SPLIT was used with the force option.

For a SPLIT action, no BCV device was found that is attached to the primary volume.

For a RESTORE command, the original BCV device could not be located or SPLIT was used with the force option.

**Action**
None.

**BCVM041E**

TFGROUP object failed validation, no BCV selected

**Cause**
The objects created for the BCV groups failed validation.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**BCVM042E**

Primary volume xxxxxxx is a BCV
**Cause**
A dataset name was specified and it resides on a BCV volume. The primary volume must be online and the BCV must be offline.

**Action**
Vary the BCV offline and the primary device online.

---

**BCVM043W**

SYMDEV xxxxxx has PATH GROUP xxxxxxxxxxxxxxxxxxxxxxxx

**Cause**
During the online/offline status check process a path group was found to be in single or multiple path mode.

There can be more than one occurrence of this message for a single device, depending on the number of path groups to the device. On mainframe hosts, the path group is identified by a 11 byte string, reading left to right as follows:

- 5 bytes - CPU serial number
- 2 bytes - CPU model type
- 4 bytes - Time of day (STCK format)

**Note**
An open-systems host may use a different format for the path group ID.

**Action**
Go to the mainframe or open systems host indicated by the path group and vary the device offline. The system that corresponds to the PATH GROUP value can be verified by comparing PATH GROUP to the value of SERIAL in the OS/390 or z/OS message IEE174I response to the z/OS 'D M=CPU' command.

```
D M=CPU
IEE174I 14.40.17 DISPLAY M 457
PROCESSOR STATUS
ID CPU SERIAL
 0 + 0488889672
 1 + 0488889672
```

**Note:** SERIAL contains a 3 byte serial number (048888) and 2 byte model (9672).

This error message may also be issued when using Innovation Data Processing's FDR Instant Backup or FDR/SOS products if TimeFinder/Mirror is not executed on the same LPAR as the Innovation Product. The Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide describes online/offline status checking.

---

**BCVM044E**

RESTORE has been disabled
**Cause**
The system administrator has disabled the RESTORE or INCREMENTAL RESTORE function.

**Action**
See your system administrator.

---

**BCVM046I**

Dell EMC TimeFinder Vv.r.m (nn) - SCF Vv.r.m(nn) mm/dd/yyyy ***

**Cause**
Report heading indicating TimeFinder/Mirror and SCF (ResourcePak Base) version and the date. Where:

- **v**
  The software version.

- **r**
  The software release level.

- **m**
  The modification level.

- **(nn)**
  The maintenance (PTF) level of the software. If no maintenance has been applied, then the maintenance level will show as (00).

- **mm/dd/yyyy**
  The month, day, and year when the maintenance was built. If there is no applied maintenance, the date is the build date of the application.

**Action**
None.

---

**BCVM047I**

All control statements processed, highest RC x

**Cause**
Highest return code received during processing.

**Action**
None.

---

**BCVM048W | BCVM048E**

HOLD failed on BCV xxxxxx, reason code xx
**BCVM049W | BCVM049E**

**Cause**
The CONFIG RELEASE command failed, see the return codes in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide.

**Action**
Correct the problem and reissue the action. If the command specified is correct or the code is not listed, search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot locate a solution, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**Note**
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

**BCVM050W | BCVM050E**

**Cause**
CONFIG HOLD command specified to a BCV that is already held.

**Action**
None.
Note
Depending on how you set the MAXRC parameter of the GLOBAL command, this
message can be returned as either an E (error) or W (warning). The description of the
MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers
TimeFinder/Mirror for z/OS Product Guide provides more information and describes
the relationship between MAXRC and the SETMAX argument.

BCVM051W

BCV/STD xxxxxx not in HOLD status

Cause
CONFIG RELEASE command specified to a BCV that is not held.

Action
None.

BCVM052E

Invalid RA group or LINKS are down on controller xxxxxx

Cause
RMT was specified, but the RAGRP may be incorrect, if specified, or the SRDF links
may be offline.

Action
Use the SRDF Host Component to determine the state of the SRDF links and the
SRDF group associated with the device.

BCVM053E

General error code xx

Cause
A remote request returned a General Error code, see the return codes below.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>86</td>
<td>Remote request initiated by a non-SRDF R1 device.</td>
</tr>
<tr>
<td>87</td>
<td>Remote with no link available.</td>
</tr>
<tr>
<td>88</td>
<td>Bad RC - cannot use socket device.</td>
</tr>
<tr>
<td>8B</td>
<td>Remote on R1 when R2 is not ready.</td>
</tr>
<tr>
<td>8C</td>
<td>Remote failed.</td>
</tr>
</tbody>
</table>
**Action**
Correct the problem and reissue the action. If the command specified is correct or the code is not listed, search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If this does not solve the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**BCVM054E**

SYMAPI-SYM Device failed processing SYMDEV xxxxxx

**Cause**
A request to the SYMAPI failed while processing the request.

**Action**
View the Job Log for additional messages related to this failure. These messages may further specify the reason for the failure.

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If this does not result in a solution, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**Note**
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

**BCVM055W | BCVM055E**

READY failed on BCV xxxxxx, reason code yy

**Cause**
The CONFIG READY command failed.

Reason code 01 indicates the BCV is in use or is currently ready.

Reason code 02 indicates changing a device to READY that already is READY or virtual device READY.

**Action**
Correct the problem and re-issue the action. If the command specified is correct or the code is not listed, search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot find a solution, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

**BCVM056W | BCVM056E**

NR failed on BCV xxxxxxx, reason code yy
Cause
The CONFIG NR command failed.
Reason code 01 indicates the BCV is in use or is currently not ready.
Reason code 02 indicates changing a device to NR that already is NR or virtual device NR.
Action
Correct the problem and re-issue the action. If the command specified is correct or the code is not listed, search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot find a solution, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

Note
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

BCVM057E
(seq#) SYMDEV is not a BCV

Cause
The specified device is not a BCV.
Action
Specify a BCV.

BCVM058E
BCV xxxxxx exceeded WAITSYNC time on SPLIT

Cause
The timer for the mirror synchronization has expired on a SPLIT command.
Action
Issue a query for the BCV to determine whether the mirrors are synchronized.

BCVM059E
BCV xxxxxx WAITSYNC routine exited reason code xx

Cause
WAITSYNC was specified on a SPLIT and the routine that calculates the invalid tracks for the BCV mirrors detected an error.
The codes are as follows:
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Command was not SPLIT.</td>
</tr>
<tr>
<td>02</td>
<td>SymDevice call failed.</td>
</tr>
<tr>
<td>03</td>
<td>SymDevice object added zero.</td>
</tr>
<tr>
<td>04</td>
<td>SymDevice mismatch.</td>
</tr>
<tr>
<td>05</td>
<td>BCV mirror sync time exceeded.</td>
</tr>
<tr>
<td>06</td>
<td>R1 and R2 are not communicating.</td>
</tr>
</tbody>
</table>

**Action**

Issue a Query for the BCV to see if the mirrors are synchronized.

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot find a solution, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

---

**BCVM060I**

```
BCV/STD _/ Ser# ___ mirror sync started
```

**Cause**

WAITSYNC (WTO) was specified on the SPLIT and the BCV mirror synchronization was begun.

**Action**

None.

---

**BCVM061I**

```
BCV/STD _/ Ser# ___ mirror sync completed
```

**Cause**

WAITSYNC (WTO) was specified on the SPLIT and the BCV mirror synchronization was completed.

**Action**

None.

---

**BCVM062I**

```
Mirror synchronization started for BCV device xxxxxx
```

**Cause**

WAITSYNC was specified on the SPLIT and the BCV mirror synchronization was begun.

**Action**

None.
**BCVM063I**

Mirror synchronization completed for BCV device xxxxxx

**Cause**
WAITSYNC was specified on the SPLIT and the BCV mirror synchronization was completed.

**Action**
None.

**BCVM064E**

BCV xxxxxx ChkItrkBcv routine exited reason code xx

**Cause**
When validating the environment on a RESTORE request an error was encountered while checking for invalid tracks on the BCV.

The codes are as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>SymDevice call failed.</td>
</tr>
<tr>
<td>02</td>
<td>SymDevice object address zero.</td>
</tr>
<tr>
<td>03</td>
<td>SymDevice mismatch.</td>
</tr>
</tbody>
</table>

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**BCVM065W | BCVM065E**

BCV xxxxxx had invalid tracks on at least one mirror; reverse split will not be allowed

**Cause**
On a RESTORE request the mirrors on the BCV were not synchronized.

**Action**
When a SPLIT for the BCV is issued, the BCVREFRESH parameter will not be allowed.
Note
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

BCVM066E

STD SYMDV xxxxxxx for BCV xxxxxxx was not last paired to this BCV.

Cause
The STD device that was last paired to the BCV has been used in a TimeFinder/Mirror operation with a different BCV.

Action
The ability to do a partial restore or re-establish has been lost.

BCVM067I

Mirror synchronization started for BCV SYMDEV xxxxxxx through xxxxxxx

Cause
WAITSYNC was specified for the device and synchronization has started.

Action
None.

BCVM068I

Mirror synchronization completed for BCV SYMDEV xxxxxxx through xxxxxxx

Cause
WAITSYNC was specified for the device and synchronization has completed.

Action
None.

BCVM069I

Security Exit allowed the bypassing of the online state check

Cause
The SAF security definition allowed READ access to TF#BASE BYPASSONLINECHECK allowing the online state checking to be bypassed.

Action
None.
**BCVM170E**

Incompatible Control Block level level for SAR Process process

**Cause**
The SRDF/AR MODIFY QUERY(DEVIECES) command was issued using a different version of Mainframe Enablers than it was defined with.

**Action**
Use appropriate version of Mainframe Enablers.

**BCVM070I**

Security Exit allowed the bypassing of the WTOR on a Full Restore

**Cause**
The SAF security definitions allowed READ access to TF#BASE FULLRESTOREBYPASSWTOR allowing the WTOR for a full restore to be bypassed.

**Action**
None.

**BCVM071I**

Security Exit allowed the bypassing of the WTOR on a Partial Restore

**Cause**
The SAF security definitions allowed READ access to TF#BASE PARTIALRESTOREBYPASSWTOR allowing the WTOR for a partial restore to be bypassed.

**Action**
None.

**BCVM072E**

Internal sort error

**Cause**
An internal error was encountered while processing the QUERY with EXTENDED(Y).

**Action**
Re-submit the job with DEBUG specified on the GLOBAL statement. Save the output and contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
Causes the heading for a QUERY with EXTENDED(Y) option. The field descriptions are as follows:

**SYMDV#-BCV**

- Specifies the internal EMC device number of the BCV.
- The suffix on the BCV device number is:
  - `-r` if an RMT query.
  - `-l` if an LCL query.

**SYMDV#-STD**

- Specifies the internal EMC device number for the STD.

**LAST-BCV**

- Specifies the most recent of multi-BCV for the STD.

**TIME-FROM-SPLIT**

- Shows the time in *ddd.hh:mm:ss* since this BCV was split from the standard device.

**BCV-CN**

- Specifies the configuration of the BCV:
  - **R1**
    - BCV is an R1 device.
  - **R2**
    - BCV is an R2 device.
  - **MIRR**
    - BCV has more than one local mirror. There is more than one physical copy of the data.
  - **NONE**
    - BCV is not mirrored. There is only one physical copy of data.
  - **NONE-M**
    - The device is a meta (RAID) device. BCV is not mirrored. There is only one physical copy of data.
  - **NONE-6**
    - The device is a meta, RAID-6 device.
  - **R1-5**

**BCV-CNFG suffix**

- **-M**
  - Striped meta.
RAID-5
-6
RAID-6
-C
Clone
-T
THIN

**BCV-STATE**
Specifies the status of the BCV:

**ATTACH**
BCV is attached.

**ATT(2)**
Both BCV mirrors attached.

**CPYFMM**
BCV is synchronizing FROM the Moving Mirror (it is synchronizing to its mirror after a normal split).

**CPYTMM**
BCV is synchronizing TO the Moving Mirror (it is being refreshed from its mirror after a reverse split).

**HOLD-S**
BCV is the hold source of a SNAP.

**HOLD-T**
BCV is the hold target of a SNAP.

**HOLD-U**
User hold. The user issued a CONFIG HOLD against the device.

**HOLDNR**
Hold not ready.

**NR**
Not ready.

**SYNC**
BCV is synchronized with standard device.

**STD-STATE**
Specifies the status of the standard device:

**AVAIL**
Standard device is available for an establish.

**NAVAIL**
Standard device is not available.
HOLD-T
  FSMM hold.

HOLD-U
  User hold. The user issued a CONFIG HOLD against the device.

PAIR-STATE
  Specifies the status of this BCV - standard pair:

  AVAIL
    Valid ready mirror.

  AVAILB
    Split before synchronization on BCV. (SPLIT with force used)

  INUSE
    Pair is synchronized.

  INUSEX
    Pair is in process of synchronizing.

  SPLITB
    Background SPLIT is in progress, SPLIT with INSTANT(Y) (must complete
    before another operation can be done with this BCV or standard).

  SPLITO
    Traditional SPLIT is in progress, SPLIT with INSTANT(N) or default.
    Indicates a transient state of an Instant Split.

LAST-ACTION
  Specifies the command used to pair this BCV and standard device:

  EST
    ESTABLISH or RE-ESTABLISH command used.

  RSTR
    RESTORE command used.

  PRSTR
    Protected RESTORE.

TRACK-COUNT1
  Specifies the number of tracks remaining to be synchronized:
  - From a standard to a BCV, when the BCV is paired with a standard device.
  - From a BCV to its mirror after a normal split.
  - To the BCV from its mirror after a reverse split.
  - From a BCV to a standard when the BCV is paired with a standard device
    during a restore operation.

TRACK-COUNT2
  Specifies the number of tracks that must be synchronized in the next incremental
  operation.
TRACK-COUNT3

Specifies the percent of tracks split for background (instant) split.

There are some differences in running BCV QUERY reports that include both regular mode BCVs and BCVs that are part of a clone emulation session, and BCV QUERY reports that only cover the same Clone-emulation BCVs. In BCV QUERY reports covering both regular mode and clone emulation mode BCVs, the clone emulation BCVs show HOLD relationship. In BCV QUERY reports covering only the clone emulation mode BCVs, the clone emulation BCVs show as Snap targets. This is because the HOLD attribute is suppressed on the BCV QUERY report for BCVs with a clone emulation session to provide compatibility for clone emulation. Because a HOLD is implicitly set on the BCV as a result of a clone emulation ESTABLISH, that HOLD needs to be ignored for subsequent TimeFinder/Mirror operations. Otherwise, a RE-ESTABLISH or another ESTABLISH would be denied.

Action
None.

BCVM075W

Request rejected, BCV xxxxxx is in use

Cause
The BCV is currently established with a standard device.

Action
The BCV must be in AVAIL status to delete it's incremental session. Split the BCV and re-submit the CONFIG DELINC request.

BCVM076W

BCV xxxxxx not eligible for incremental operation

Cause
The BCV does not have an incremental session. This would occur if the BCV was established and split with a prior version of TimeFinder.

Action
Select a BCV that has an incremental session and re-submit the CONFIG DELINC request. Run a QUERY and a QUERY with EXTENDED(Y) to verify BCV status. Save the output and contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

BCVM077W | BCVM077E

DELCINC failed on BCV xxxxxx, reason code xx, Extended rc xxxxxxxxx
**Cause**
A CONFIG with DELINC was requested and an error was encountered when deleting the incremental session for the specified BCV. If the extended reason code is 17XX8104, the following information is available from the third and fourth characters (XX)I:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>SDDF facility is not available.</td>
</tr>
<tr>
<td>04</td>
<td>Session tag not found (an SDDF session does not exist for the devices).</td>
</tr>
<tr>
<td>09</td>
<td>Device number specified does not match the system call device.</td>
</tr>
</tbody>
</table>

**Note**
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

**Action**
Refer to TimeFinder/Mirror reason codes in the *Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide*. Contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

---

**BCVM078E**

*SDDF session limit exceeded, request rejected*

**Cause**
An ESTABLISH command was issued for an STD that already had 6 BCVs (clone emulation)/8 BCVs (non-clone emulation). The ESTABLISH request was rejected because GLOBAL MULTBCV(REJ) was previously issued.

**Action**
None.

---

**BCVM079I**

*SDDF session deleted for BCV xxxxxxx*

**Cause**
An ESTABLISH, RE-ESTABLISH, RESTORE was requested with the GLOBAL MULTBCV(OLD or NEW) in effect and the maximum number of multiple BCVs for this Standard device has been reached for this STD. Incremental operations (RE-ESTABLISH, Partial RESTORE) are no longer possible for this BCV.
**BCVM080I**

**Action**
None.

**BCVM081E**

**Unable to determine R2 status for device xxxxx**

**Cause**
An error was encountered while obtaining the status of the specified R2 standard device.

**Action**
Re-submit the job with DEBUG specified on the GLOBAL statement. Save the output and contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**BCVM082E**

**STANDARD device xxxxx must be R/O**

**Cause**
A RESTORE request is being processed and the R2 Standard device is not in R/O (read only) mode.

**Action**
Set the R2 device to R/O and re-submit the RESTORE request.

**BCVM083W | BCVM083E**

**BCV xxxxxx had write pending tracks, a reverse split will not be allowed**

**Cause**
A BCV was not fully synchronized with its mirror before the RESTORE command was issued.

**Action**
None.
Note
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

BCVM084E

SYSCALL xxxxxxx failed, reason code xx, function

Cause
A syscall failed with the indicated reason code.

Action
If the reason code is F2 (I/O error), check the system log for additional information. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot find a solution, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the job log, and all relevant job documentation available.

BCVM085E

Query failed, MaxBCVs exceeded

Cause
The maximum number of BCVs has been exceeded.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVM086E

Failed to determine STD CUU for BCV xxxxxxx, STD xxxxxxx

Cause
TimeFinder/Mirror was unable to determine the STD device associated with the BCV. This can occur when the device numbers do not have a symmetric relationship.

Action
Run again, specifying the STD device number via the STDCUU parameter.
BCVM087E

STD device online to another system, Consistent Split failed

**Cause**
For a consistent split, the STD device is online to at least one other LPAR.

**Action**
If consistency across systems is not desired, the online/offline status check can be bypassed via the BYPassonlinecheck parameter. Otherwise, vary the device offline on each attached system. BCVM043E provides additional information.

BCVM088W | BCVM088E

Timeout occurred during Consistent Split processing

**Cause**
The timeout interval has expired during a consistent split. The split will proceed, but consistency will not be provided.

**Action**
Review the timeout value supplied and increase if necessary.

**Note**
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

BCVM089W | BCVM089E

** A Timeout occurred, Splits are not consistent **

**Cause**
This message is issued at the end of the job whenever consistent split timeout occurs.

**Action**
Review the timeout value supplied and increase it if necessary.

**Note**
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.
BCVM090E

I/O buffer storage exceeded

Cause
Internal storage used to contain the I/O buffers has been exceeded.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVM091E

Getmain failed for xxxx

Cause
A Getmain failed for the indicated storage area.

Action
Increase the Region size and submit the job again.

BCVM092W | BCVM092E

IOS Level not set for xxxxxx

Cause
The IOS level could not be raised due to the indicated reason. The consistent split is processed but this device may not have consistent data.

Action
Verify the SPLIT request was specified with the correct devices.

Note
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

BCVM093E

STD xxxxxx on HOLD status, function not allowed
Cause
The STD device is held as the result of SNAP operation. The indicated function cannot be performed.

Action
To allow the function to complete, issue a CONFIG RELEASE command for the STD device.

---

BCVM094I

STD xxxxxxx busy at time of split

Cause
The IOS level was raised, but the device did not quiesce. The consistent split is processed but this device may not have consistent data.

Action
Verify the SPLIT request was specified with the correct devices. I/O to devices being split is allowed to complete. Very long I/O chains may remain active longer than the split process, and for write chains the data may not be consistent. This should not affect consistency of dependent I/O.

---

BCVM095W | BCVM095E

(seg#) Inconsistent options for Multi Instant Split

Cause
Different options were specified among the devices that were split using the multi instant split feature. However, the copy operation does continue in the background.

Action
Review the options specified.

Note
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

---

BCVM096E

Routine xxxxxxxx failed. RC rc RSNC rsnc [Extended RC/RSNC ext_rc/ext_rsnc]

Cause
Routine xxxxxxxx failed with return code rc and reason code rsnc. If extended return and reason codes exist, they will also be displayed.
Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVM097E

(seq#) Invalid SRDF/AR request, reason

Cause
The SRDF/AR request is invalid for the indicated reason.

Action
Correct the problem and re-issue the request.

BCVM098W

reason

Cause
This is a warning message issued for several different reasons.

Action
Review the reason and take appropriate action, if required.

BCVM099I

Process is process_status, Cycle cccc, Step ssss, mmmm messages queued
CYCLE(hh:mm:ss,count), Cycle_Overflow(overflow_option), Timeout(timeout)

Cause
Displays the results of a QUERY(STATUS) request:

process_status
The status of the process, ACTIVE or INACTIVE.

cccc
The current or last cycle number.

ssss
The current or last step number.

mmmm
The number of queued messages.

hh:mm:ss
The cycle time in hours, minutes and seconds.

count
The cycle count.
overflow_option
The overflow option, IMMED or NEXT.

timeout
The timeout value.

type
The SRDF/AR HOP_Type.

Action
None.

BCVM100W | BCVM100E

SRDF/AR message buffer overflow, nnnn messages lost

Cause
The internal SRDF/AR message buffer for the active process is full. When this occurs, the most recent messages wrap - nnnn is the number of messages overwritten.

Action
Delete and redefine the process, specifying MAXMSG(nnnn) to increase the size of the message buffer.

Note
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

BCVM101I

Device Query for Symm nnnnnnn-nnnnn, MICRO-CODE level xxxx, type SYMn

Cause
Issued in response to a QUERY(DEV) request:

nnnnnnn-nnnnn
The storage system serial number.

xxxx
The operating environment level.

SYMn
The model type.

Action
None.
**BCVM102I**

<table>
<thead>
<tr>
<th>STD</th>
<th>BCVR1</th>
<th>R2</th>
<th>BCV</th>
<th>RAG</th>
</tr>
</thead>
</table>

**Cause**
Specifies the heading for a QUERY(DEV) request:

STD
Specifies the source STD OS/390 or z/OS cuu address.

BCVR1
Specifies the R1 BCV OS/390 or z/OS cuu address.

R2
Specifies the internal Dell EMC device number of the target R2 device.

BCV
Specifies the internal Dell EMC device number of the target BCV device.

RAG
Specifies the SRDF group configured for the R1 and R2 devices.

**Action**
None.

---

**BCVM103E**

STD xxxxxx is a SymmPAV device, Consistent Split not allowed.

**Cause**
The standard device is a SymmPAV device. Consistent splits are not allowed for PAV devices.

**Action**
Reconfigure the STD device so it is not a SymmPAV device or use another device instead.

---

**BCVM104I**

Security Exit allowed the NOVERIFY option on a Full Restore

**Cause**
The security exit in use has allowed the current user to bypass external verification of the device numbers on the Full Restore command.

**Action**
None.
BCVM105E

xxx yyyyy is a CKD striped meta device, zzzzzzz rejected

Cause
A CKD striped meta device cannot be paired with a non-striped device. xxx indicates the type of device (BCV or STD), yyyy represents the device number and zzzzzzz indicates the function.

Action
Specify like devices on the operation.

BCVM106E

BCV xxxxxx was attached via a Protected Restore, PROT(Y) required

Cause
The indicated BCV was attached by a Protected Restore operation.

Action
Specify PROT(Y) to split the volume.

BCVM107E

BCV xxxxxx is not locally mirrored, Protected BCV Establish rejected

Cause
A Protected BCV ESTABLISH is not allowed for BCVs that are not locally mirrored.

Action
Specify a locally mirrored BCV on the ESTABLISH command. Locally mirrored BCVs are indicated by “MIRR” in the PROT TYPE column on the output of a QUERY command.

BCVM108E

BCV xxxxxx LOCK function failed, RC xxxx, RSNC xxxxxxxx

Cause
The Device External Lock function failed with the indicated return/reason codes. function can be:

- FREE
- OBTAIN
- QUERY

Note: TimeFinder/Mirror retries SRDF link failures for return codes 87, 8C, and 9C.
BCVM109E

**BCVM109E**

BCV xxxxxxx is locked, LOCKID xxxxxxxx, Duration xxxx

**Cause**
The indicated BCV is already locked. The Lock ID and the duration of the lock (in seconds) are displayed.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVM110W | BCVM110E

**BCVM110W | BCVM110E**

BCV xxxxxxx lock has expired, LOCKID xxxxxxxx, Duration

**Cause**
A Device External Lock on the indicated BCV has expired.

**Action**
None. TimeFinder/Mirror has successfully released the lock and acquired a new lock.

**Note**
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

BCVM111E

**BCVM111E**

STD xxxxxxx RESERVE failed, RC xx

**Cause**
For a multisystem consistent split, the RESERVE macro failed with the indicated return code.

**Action**
Check each attached system for a reserve. Contact your systems programmer for assistance.
BCVM112E

STD xxxxxx RESERVE I/O failed, RC xxxx, ECB xxxxxxxxxx

Cause
For a multisystem consistent split, the reserve I/O failed with the indicated return codes.

Action
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVM113E

STD xxxxxx RESERVE could not be obtained

Cause
For a multisystem consistent split, the reserve could not be obtained due to an I/O timeout. The probable cause is a long-term reserve on the device from another system.

Action
Check each attached system for a reserve. Contact your systems programmer for assistance.

BCVM114E

BCV xxxxxx RESTORE rejected - reason

Cause
A RESTORE is not allowed for the indicated reason.

Action
If the reason was for another operation in-progress, resubmit the job after the previous function has completed processing.

For a rejection due to an existing relationship with a different STD device, the relationship must be removed to allow the Restore (this can be accomplished via a CONFIG DELINC command). This error applies to Clone Emulation only.

BCVM115E

API call failed, EMCSCF is not active

Cause
An API request could not be serviced because the EMCSCF address space is not active.
**Action**
Start EMCSCF and submit the job again.

**BCVM116E**

STD xxxxxxx Data Migration is active, Symm nnnnn, Invalid Track Count xxxxxxxxx

**Cause**
The operation was rejected because Data Migration is active on the STD device.

**Action**
Review the command to make sure the correct devices were specified.

**BCVM117E**

BCV xxxxxxx had Write Pending tracks, a Protected Restore is not allowed

**Cause**
A Protected RESTORE is not allowed when the BCV has write pending tracks.

**Action**
Submit the job again. If the problem persists, review the Job LOG and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**BCVM118E**

BCV xxxxxxx function rejected - reason

**Cause**
The following causes are possible:

- An ESTABLISH or RE-ESTABLISH command failed due to a Concurrent BCV restriction:
  - An ESTABLISH (or RE-ESTABLISH) command is not allowed if the first pair was attached through a Protected Restore.
  - Protected BCV ESTABLISH is not allowed if the first pair was attached using Protected BCV ESTABLISH.
  - A multi-instant split for both BCVs established to a STD (Concurrent BCV).
  - A multi-instant split of a device established with Protected BCV ESTABLISH.
- ESTABLISH is not allowed during a background SPLIT.

**Action**
Choose either depending on the cause:
To allow the Concurrent BCV operation to proceed, the first pair must be split and then attached without the restricted option.

Use QUERY to display your BCVs and their status.

**BCVM119E**

ECA Window function failed, RC xx, RSNC xxxx, CUU xffffff, Symm nnnnnnnn-nnnnnn

**Cause**
When the Enginuity Consistency Assist option is in effect - SYSTEM(GLOBAL), the function failed with the indicated return and reason codes.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**BCVM120E**

BCV xffffff is a Fast Mirror volume

**Cause**
The BCV is an active Fast Mirror volume and cannot be altered by TimeFinder.

**Action**
Use a different BCV or remove the BCV from Fast Mirror.

**BCVM121E**

Invalid parameter starting at offset aaaa

**Cause**
The JCL PARM field contains an invalid parameter starting at the indicated offset.

**Action**
Correct the parameter and submit the job again.

**BCVM122I**

Automatic Release issued for device xffffff, Symm nnnnnnnn-nnnnnn

**Cause**
When AUTOREL(Y) is specified, TimeFinder/Mirror attempts to issue a “release” for each “held” device. This message is issued for each BCV that was released.

**Action**
None.
Existing device relationship - request changed to Re-establish

Cause
The ESTABLISH request was changed to a RE-ESTABLISH as a result of a prior BCV-STD relationship with the same devices and the specification of FASTESTABLISH(Y).

Action
None.

No existing device relationship - Establish STD xxxxxx to BCV xxxxxx

Cause
A RE-ESTABLISH request was changed to an ESTABLISH because a prior BCV-STD relationship did not exist and CONVERTFULLESTABLISH(Y) was specified.

Action
None.

Symm nnnnnnn-nnnnn not found for ECA Clear, through cccc

Cause
An error occurred during the ECA clear function (after a consistent split). The specified storage system was not located using the specified gatekeeper, cccc.

Action
Investigate the cause of the error. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

(seq#) STD xxxxxx is a Virtual Device

Cause
Active TimeFinder/Mirror operations are not permitted on Virtual Devices.

Action
Change the command to remove all references to Virtual Devices.
Note
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

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**BCVM127W | BCVM127E**

SRDFA active for RA Group xx during Consistent Split

**Cause**
An error occurred on the SRDF/A Suspend operation - SRDF/A cannot be active during a remote consistent split.

**Action**
Investigate the status of the SRDF/A failure - message BCVM134W | BCVM134E will precede this message showing the return codes from the Suspend operation.

Note
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

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**BCVM128W**

*** SRDFA is inactive. Consistency cannot be assured. ***

**Cause**
One or more SRDF/A Suspend errors occurred. If SRDF/A is active during a remote Consistent SPLIT, the target BCVs might not contain “consistent” restartable data.

**Action**
Investigate the status of the SRDF/A failure. You can find more information in messages BCVM127W | BCVM127E and BCVM134W | BCVM134E.

---

**BCVM129E**

No BCVs for request

**Cause**
No BCVs exist within the range of BCVs specified on the QUERY command.
If the gatekeeper device is a higher symptom than the BCVs in the system then no BCVs will be found unless you code the ALL parameter in the QUERY command. Allowing it to default will only list BCVs that have a symptom higher than the gatekeeper.

**Action**
Correct the BCV devices on the QUERY command.

**BCVM130W**

API call failed on device xxxxxx, RC xx, Retry issued

**Cause**
A retry was issued for an API error.

**Action**
If the retry was not successful, refer to message BCVM131E.

**BCVM131E**

API call failed on device xxxxxx, RC xx, Retry count exceeded, Reply RETRY or CANCEL

**Cause**
All retries for the API call error have failed.

**Action**
Investigate the cause of the error. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**BCVM132E**

Address translation exception, aaaaaaaa

**Cause**
The SRDF/AR control blocks could not be dumped due to an addressing error.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.
BCVM133I

SRDF/A operation successful for RA Group xx, CUU ddddd, SYMM nnnnnn

**Cause**
The SRDF/A Suspend/Resume operation was successful.

**Action**
None. This is an informational message.

BCVM134W | BCVM134E

SRDF/A operation failed, RC xx, RA xx, CUU ddddd, SYMM nnnnnn

**Cause**
The SRDF/A Suspend/Resume failed.

**Action**
Investigate the cause of the error.

**Note**
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

BCVM135E

SRDF/A Table capacity exceeded

**Cause**
The capacity of an internal table has been exceeded.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVM136I

{RAG BUNKER S/N MCL} RAG TARGET S/N MCL

**Cause**
Specifies a subheading for a SRDF/AR QUERY(DEV) report.
**Action**
Displays the SRDF group(s), storage system serial number and operating environment level of each remote storage system in a SRDF/AR configuration. For a SRDF/AR single-hop configuration, only the target fields are displayed.

---

**BCVM137E**

nnnnnnnnnnnnnnnnnnn failed, RC xx/xxxx/xxxx, CUU xxxxxx/nnnnnnnnnnnnn

**Cause**
An API call failed.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

---

**BCVM138W | BCVM138E**

BCV xxxxxx is TF/Clone, function not supported

**Cause**
BCV Refresh and Protected BCV Establish are mirror based options which are not supported for clone emulation mode.

**Action**
The option is ignored.

---

**Note**
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

---

**BCVM139I**

BCV xxxxxx is TF/Clone, Restore is PROTECTED

**Cause**
All RESTORE operations in clone emulation mode are Protected. Refer to the description of PROTRSTR on the RESTORE command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide.

**Action**
None.
Command processed via TF/Clone emulation

**Cause**
The preceding TimeFinder/Mirror command was processed using TimeFinder/Clone Mainframe SNAP Facility, either by request (the specification of the CLONE(Y) parameter) or automatically for a RAID 5 or RAID 6 BCV.

**Action**
None.

Multi-attach failed – reason

**Cause**
A multi-attach operation failed for the indicated reason. If the reason is specified by reason code and code is 2B, the error is the result of an incorrect status on a BCV Query resulting in an attempt to RE-ESTABLISH multiple BCVs to STD device 000000. TimeFinder/Mirror recognizes this situation and issues message BCVM143E.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

TF/Clone emulation not supported. Incorrect LFC or SNAP version

**Cause**
A operation requiring clone emulation was detected, but one of the following situations applies:

- The Enginuity patch 26469 has not been applied.
- The host has an incorrect License Feature Code (LFC) for TimeFinder/Clone or no License Feature Code for TimeFinder/Clone. TimeFinder/Clone is not enabled.
- The host is running a version of TimeFinder/Clone that does not support the clone emulation operation.

**Action**
Take the appropriate action:

- Install patch 26469 on all storage systems where Clone emulation is required.
- Install the correct License Feature Code for TimeFinder/Clone (and -- if required -- the License Feature Code for TimeFinder/Consistency Group).
• Install a version of TimeFinder/Clone Mainframe SNAP Facility that does support the clone emulation operation. The version of TimeFinder/Clone Mainframe SNAP Facility you use should match the version of TimeFinder/Mirror you are using.

**BCVM143E**

BCV xxxxxx, no existing relationship and STD device cannot be determined

**Cause**
A ConvertFullEstablish cannot be honored because the BCV does not have a relationship with a STD device.

**Action**
Change the command to an ESTABLISH and specify the STD device.

**BCVM144I**

Refer to EQCAnnnE Joblog message

**Cause**
When TimeFinder/Mirror ESTABLISH, SPLIT, RE-ESTABLISH, and RESTORE commands are invoked on RAID 5 or RAID 6 BCVs, the TimeFinder/Clone Mainframe SNAP Facility API handles the requested operation, the success of which is confirmed by the BCVM140I message.

Whenever an error occurs during the TimeFinder/Clone Mainframe SNAP Facility operation, one of the usual BCVM006E, BCVM009E, BCVM011E, or BCVM013E error messages is generated, followed by message BCVM144I.

The reason codes in BCVM006E, BCVM009E, BCVM011E, or BCVM013E are all hexadecimal versions of a TimeFinder/Clone Mainframe SNAP Facility EQCA message. For example, reason code 74 results in an EQCA116E message. BCVM144I refers directly to the EQCA message. For example, if the reason code returned by a BCVM011E is 78, then the following BCVM144I message will be:

Refer to EQCA120E Joblog message.

**Action**
Consult the description of the EQCA message number returned by BCVM144I.

**BCVM145E**

OPEN failed for DDname TFDEBUG

**Cause**
The file defined by the TFDEBUG DD statement could not be opened.
Note
This message can also be displayed as BCVM145W. In such a case, the cause and action are the same.

Action
Correct the TFDEBUG specification and resubmit the job.

BCVM146E

Call denied- BCV in HOLD status

Cause
The command is denied because the BCV was found to be in HOLD status, as the result of a CONFIG HOLD command.

Action
If you are certain that the BCV can be reused, issue a CONFIG RELEASE command to release the BCV from HOLD status. The description of the CONFIG command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information.

More Information
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

BCVM147W

The following devices are online for Seq# nnnn

Cause
The displayed devices are online when the Bypass Online Check option is specified. For ESTABLISH, RE-ESTABLISH or incremental RESTORE, the devices are BCVs. For a full RESTORE, both the BCV and STD devices are tested.

Action
Verify that this is the desired state for these devices. If a BCV is online, it could be inadvertently updated after the completion of a SPLIT command. A RESTORE to an online STD could also be a concern.

More Information
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.
BCVM148W | BCVM148E

BCV nnnnnn, Reverse Split not allowed - reason

Cause
A reverse split was requested; BCVR(Y), but the BCV is not mirrored locally or the fixed BCV mirror was not synchronized with the moving mirror before the ESTABLISH. This is a Warning (W) or Error (E) depending on the setting of MAXRC.

Action
To affect a reverse split, ensure that the BCV is mirrored locally or that the BCV mirrors are synchronized before the ESTABLISH operation.

Note
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

BCVM149I | BCVM149W

SRDF Tolerance Mode enabled, RA xx, CUU xxxxxxx, SYMM nnnnnnn-nnnnn

Cause
SRDF/A tolerance mode is enabled for the SRDF group.

Action
Verify that this is the desired state.

Note
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an I (information) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

BCVM150W | BCVM150E

BCV xxxxxxx function failed, reason code nn

Cause
A SUSPEND or RESUME failed for the indicated R1-BCV.

Action
You can issue SRDF Host Component commands to check the state of the SRDF link and invalid tracks count owed for the indicated R1-BCV between R1 and R2 sides. The
Dell EMC Mainframe Enablers SRDF Host Component for z/OS Product Guide describes the SRDF Host Component commands.

**Note**
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

**More Information**
On Enginuity 5772, the software manages the state of the SRDF link for R1-BCV devices. For an attach request (on ESTABLISH or RESTORE), the R1-BCV is suspended. For a SPLIT request, the R1-BCV is resumed.

**BCVM151E**

**TF/Clone session registration failed**

**Cause**
A TimeFinder/Clone emulation ESTABLISH or RESTORE request could not be processed due to an insufficient number of available sessions on the source (STD) device. Clone emulation required two sessions (Clone and SDDF), therefore, no more than 14 sessions can be active on the source device.

**Action**
Issue a TimeFinder/Clone Mainframe SNAP Facility VOLUME QUERY command to display the sessions. You can issue a TimeFinder/Clone Mainframe SNAP Facility CLEANUP command to remove any unwanted sessions on the source device.

**BCVM152E**

**STD xxxxxxx [ Dynamic | Total ] mirror limit exceeded**

**Cause**
A command was issued that would cause either the total or dynamic mirror limit to be exceeded for the device.

**Action**
Restructure your actions so that you do not exceed the mirror limit. The total mirror limit is four (4); the dynamic mirror limit is two or three depending on the storage system.

**BCVM153E**

**Device xxxxxxx: FBA Meta Group [ Incomplete | not Offline ]**

**Cause**
The device is part of an FBA meta group. If the message says incomplete, not all the members of the group are referenced in the sequence level with equivalent...
commands. If the message says not Offline, at least one member of the group is online to some host.

**Action**
Either include all members of the group in equivalent commands at the same sequence level or put the devices offline to all hosts (depending on which text is shown).

---

**BCVM154I**

(xxxx) Assigned to subtask nnnnn

**Cause**
Subtask number nnnnn has been assigned to the current user. This function is used only by the Parallel feature.

**Action**
None.

---

**BCVM155E**

[ STD | BCV ] is a Thin Provisioning Device - command rejected

**Cause**
The device is a virtual provisioning device and is not supported by TimeFinder/Mirror.

**Action**
Do not use virtual provisioning devices with TimeFinder/Mirror.

---

**BCVM156E**

Restore not allowed to R21 device

**Cause**
The device is an R21 (Cascaded SRDF) device. RESTORE is not allowed to such a device.

**Action**
Do not perform RESTORE operations with R21 devices.

---

**BCVM157W**

Consistent Split includes multiple SRDF/A groups without MSC, consistency cannot be assured

**Cause**
MSC is inactive, and multiple SRDF/A groups are involved in a Consistent Split.

**Action**
Determine the reason MSC is inactive, before attempting another Consistent Split.
BCVM158E
TimeFinder version must match API version

Cause
TimeFinder/Mirror module EMCTF detected that the current version of EMCSCF did not match the EMCTF version number.

Action
Make sure that the version of EMCSCF that is currently in use is correct. If so, try to determine why a different version of TimeFinder/Mirror was executing. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVM159E
LFC license failed, RC nn, RSN nn, Symm nnnnnnnn

Cause
TimeFinder/Mirror has called for authorization of the TimeFinder/Clone Feature on a storage system and has received a non-zero return code, indicating that the TimeFinder/Clone is not installed and enabled.

Action
Make sure that the TimeFinder/Clone is installed and enabled on the storage system whose serial number is in the message.

BCVM160E
STD is a Diskless Device - command rejected

Cause
A diskless device was specified as an STD in a TimeFinder/Mirror command. (Diskless devices will always be STD devices.)

Action
Specify a non-diskless device in the command.

BCVM161E
WAIT must be specified on SPLIT with VOLID

Cause
The NOWAIT parameter is in effect on a SPLIT which also has the VOLID parameter.

Action
Specify WAIT on the SPLIT command, or use Clone Emulation, which allows the NOWAIT parameter.
BCVM162E

Clone Emulation Establish failed - BCV xxxxxx STD xxxxxx

Cause
An internal Clone Emulation error occurred during the Establish command.

Action
Review the JOB log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

BCVM163E

Unable to determine device data for Symm nnnnnnn-nnnnn

Cause
An error occurred while retrieving information from the specified storage system during a SYMDEV API call.

Action
The specified storage system may be offline, or there may not be a remote path to the storage system from the local storage system on a remote command. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVM164I

Terminate Incomplete Clone Sessions on STD xxxxxx

Cause
A STD device was specified on a CONFIG DELINC command, indicating a request to terminate any incomplete clone sessions that are attached to that STD device.

Action
No action required.

BCVM165W

No Incomplete Clone Sessions Found on STD xxxxxx

Cause
A CONFIG DELINC specified a STD device that was found to have no incomplete Clone Emulation sessions.

Action
No action required.
**BCVM166E**

Timeout occurred during R1->R2 invalid track wait

**Cause**
A timeout occurred during SRDF processing, while waiting for invalid tracks from an R1 device to synchronize with a remote R2 device.

**Action**
If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

---

**BCVM168I**

Device(s) left in Not Ready state due to NR parameter specification.

**Cause**
NR parameter was requested on the SPLIT statement using Clone Emulation.

**Action**
None.

---

**BCVM169W|BCVM169E**

MSC has not achieved Global Consistency

**Cause**
A TimeFinder Consistent Split involving SRDF/A group(s) under the control of MSC has determined that MSC has not achieved global consistency.

**Action**
Re-issue the Consistent Split after MSC has achieved global consistency, as indicated by message SCF1523I in the SCF log.

**More Information**
This could either be a warning (MAXRC 8) or an error (MAXRC<8).

---

**BCVM171E**

Specified BCV xxxxxxx has a TimeFinder session with a different STD xxxxxxx

**Cause**
The GLOBAL TER(N) option was specified and the ESTABLISH command was issued to attach the specified BCV to the STD while the BCV already has a relationship with a different STD.
**Action**
Review the parameters of the issued ESTABLISH command to verify that the specified BCV is correct. If the BCV is correct, either rerun ESTABLISH without the TER option or TER(Y), or issue the CONFIG DELINC command before the ESTABLISH in order to disattach BCV from the current STD.

**More Information**
Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC and the TER parameters of the GLOBAL command in the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument. Displayed device numbers are PowerMax/VMAX device numbers.

---

**BCVM175I**

Buffer is full, displayed = XXXXX of ZZZZZZ lines

**Cause**
This is an additional informational message to BCVI019W|BCVI019E. XXXXX is the number of actually displayed messages and ZZZZZZ is the number of all messages to be displayed.

**Action**
None.

---

**BCVM176E**

Unable to read volser on STD xxxxxx, device has no CUU

**Cause**
One of devices specified in the device range for the Local Full Restore command has no CUU, but CUU is required to check VOLSER.

**Action**
Ensure that specified devices have CUU.

---

**BCVM177E/W**

Unable to suspend already suspended RA group xx, consistency cannot be assured.

**Cause**
An attempt was made to suspend an SRDF/A group which had already been suspended by another job.

**Action**
Check your jobs to prevent running multiple jobs that suspend the same SRDF/A group.
BCVM178E

No SDDF session can be deleted for BCV xxxxxx from STD yyyyyy

Cause
The maximum of 6 (for clone emulation) or 8 (if clone emulation is not used) SDDF sessions was reached for STD yyyyyy while TF/Mirror was performing Establish, Re-Establish or Restore of BCV xxxxxx to STD yyyyyy. All of these sessions represent established BCVs so no session can be safely removed.

Action
Manually split any BCV from STD yyyyyy or change the STD in the command sequence.

BCVM180I

Symm nnnnnnn-nnnnn - temporary access granted as license could not be determined

Cause
License information for storage system nnnnnnn-nnnnn could not be determined so temporary access was granted.

Action
Issue a DEV,RESCAN command from ResourcePak Base.

BCVM181E

Cannot change GCM on Target [ dev# ]

Cause
Failed to change GCM state of the target device during ESTABLISH or RESTORE processing.

When ESTABLISH (MULTI-ATTACH) is specified, dev# is not displayed.

Action
Eliminate the conditions preventing GCM state change and retry.

BCVM182E

BCV|STD device dev# SAF protected, access denied

Cause
RACF checking is enabled for the indicated device. A security rule is present and does not allow this user to access the device.

Action
Either correct the security rule to allow access or use a device to which access is allowed.
**BCVM183E**

Limit of 256 snapshots exceeded

**Cause**
Maximum snapshot count is reached on a standard device.

**Action**
Terminate an existing snapshot before ESTABLISHing this standard device.

**BCVM184E**

Clone emulation cannot be used to cascade clone emulation

**Cause**
An attempt was made to create a cascaded clone emulation configuration using clone emulation. This is not allowed.

**Action**
Terminate the existing relationship and retry.
Refer to the Dell EMC Mainframe Enablers TimeFinder/Mirror for z/OS Product Guide for explanation of cascaded clone emulation restrictions and requirements.

**BCVM999E**

Internal logic error

**Cause**
An internal error occurred.

**Action**
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**BCVN083W**

BCV xxx had write pending tracks, a reverse split will not be allowed

**Cause**
A BCV was not fully synchronized with its mirror before the RESTORE command was issued.

**Action**
None.
**BCVX000E**

LCKA validation failed

**Cause**
Generated by the USEREXIT routine.

**Action**
Contact Dell EMC Customer Support for more information regarding this message from the USEREXIT routine.

**BCVX001E**

Invalid parms passed to EXIT. RS=xxxx

**Cause**
Generated by the USEREXIT routine.

**Action**
Contact Dell EMC Customer Support for more information regarding this message from the USEREXIT routine.

**BCVX002E**

Unable to acquire DEL 13. RS=xxxx

**Cause**
Generated by the USEREXIT routine.

**Action**
Contact Dell EMC Customer Support for more information regarding this message from the USEREXIT routine.

**BCVX003E**

BCV RELEASE for DEV=dddddd failed. RS=xxxx

**Cause**
Generated by the USEREXIT routine.

**Action**
Contact Dell EMC Customer Support for more information regarding this message from the USEREXIT routine.
BCVX004E

USEREXIT must be first stmt with the given sequence x number

Cause
Generated by the USEREXIT routine.

Action
Contact Dell EMC Customer Support for more information regarding this message from the USEREXIT routine.

BCVX005W

USEREXIT is the only stmt with the given sequence x number

Cause
Generated by the USEREXIT routine.

Action
Contact Dell EMC Customer Support for more information regarding this message from the USEREXIT routine.

BCVX006E

Unable to release DEL 13. RS=xxxx

Cause
Generated by the USEREXIT routine.

Action
Contact Dell EMC Customer Support for more information regarding this message from the USEREXIT routine.

BCVX007E

Not all locks released after BCVRELEASE failed

Cause
Generated by the USEREXIT routine.

Action
Contact Dell EMC Customer Support for more information regarding this message from the USEREXIT routine.
BCVX008I

Appl xxxx locked device ddddd for tttt secs

Cause
Generated by the USEREXIT routine.

Action
Contact Dell EMC Customer Support for more information regarding this message from the USEREXIT routine.

BCVX009I

No devices hold DEL13

Cause
Generated by the USEREXIT routine.

Action
Contact Dell EMC Customer Support for more information regarding this message from the USEREXIT routine.

BCVX010E

BCV Query failed. RS=xxxx

Cause
Generated by the USEREXIT routine.

Action
Contact Dell EMC Customer Support for more information regarding this message from the USEREXIT routine.

BCVX011I

DEL 13 is obtained for nnnn devices starting with device number nnnnnn

Cause
Generated by the USEREXIT routine.

Action
Contact Dell EMC Customer Support for more information regarding this message from the USEREXIT routine.
BCVX012I

DEL 13 is released for nnnn devices starting with device number nnnnnn

Cause
Generated by the USEREXIT routine.

Action
Contact Dell EMC Customer Support for more information regarding this message from the USEREXIT routine.

BCVX013I

BCV RELEASE for DEV=dddddd completed successfully

Cause
Generated by the USEREXIT routine.

Action
Contact Dell EMC Customer Support for more information regarding this message from the USEREXIT routine.

BCVX014I

USEREXIT does not relate to any SPLIT or ESTABLISH

Cause
Generated by the USEREXIT routine.

Action
Contact Dell EMC Customer Support for more information regarding this message from the USEREXIT routine.
CHAPTER 8
TimeFinder Utility

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- BCUU037I................................................................. 2356
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**BCVS011E**

UNABLE TO GENRPL FOR catalog: catname

**Cause**
The TimeFinder Utility was unable to generate VSAM RPL for catalog catname

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**BCVS012E**

ERROR (VSAM Feedback Code-VSAM Function Code) WRITING TO CATALOG: catname

**Cause**
The displayed VSAM Feedback Code-VSAM Function Code was returned when writing to catalog catname.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**BCVS013E**

DATASET dsname IS ALREADY CATALOGED

**Cause**
The specified dataset, dsname, is already cataloged.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**BCVS014I**

DATASET dsname SUCCESSFULLY CATALOGED

**Cause**
The specified dataset, dsname, was successfully cataloged.
Action
This is an informational message only. No user action is required.

**BCVS015E**

**UNABLE TO GENRPL FOR CATALOG: catname**

**Cause**
The TimeFinder Utility was unable to generate VSAM RPL for catalog *catname*.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**BCVS016I**

**PUT CODE (error-code) WRITING TO CATALOG: catname**

**Cause**
The PUT code *error-code* was returned while writing to catalog *catname*.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**BCVU001I**

**PROCESSING BEGINNING FOR VOLUME**

**Cause**
Processing for the volume identified is beginning. This volume was selected by a PROCESS request statement.

**Action**
This is an informational message only. No user action is required.

**BCVU002E**

**EMC SCF IS NOT AVAILABLE - SERVICE SAICALL FAILED**

**Cause**
The Dell EMC address space is not available.

**Action**
Start the Dell EMC address space and rerun the job.
BCVU003E

ERROR RETURNED FROM EXTENTS

Cause
The EXTENTS utility was called and an error was returned. This is an internal error.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVU004E

BCVU004E FIND_ALL_CATALOGS STORAGE OBTAIN FAILED, RC=xxxxxxxx

Cause
EMCTFU was unsuccessful in obtaining a working storage area. Processing cannot continue.

Action
Review the return code from the manual, MVS Programming: Authorized Assembler Services Reference for the STORAGE OBTAIN macro, and follow the recommended actions. Increasing the region size and resubmitting the EMCTFU job may also be required.

If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVU010E

dsname dstype status

Cause
This message has the same cause and action as message BCVU010I.

Action
None.

BCVU010I

dsname dstype status

Cause
The dataset indicated has been processed. The dstype may be CLSTR, PATH, VSAM or NVSAM. The status indicates whether the processing was successful. Statuses and their meanings are:
<table>
<thead>
<tr>
<th>Status</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>BYPASS</td>
<td>The dataset was bypassed because a related component was not processed or because SIMULATE was specified.</td>
</tr>
<tr>
<td>CATALOG FAIL</td>
<td>The request to catalog this non-VSAM dataset failed.</td>
</tr>
<tr>
<td>CLUSTER ERR</td>
<td>The cluster associated with this VSAM component dataset had an error during processing.</td>
</tr>
<tr>
<td>COMPLETED</td>
<td>The dataset has been successfully processed.</td>
</tr>
<tr>
<td>CTLG ACCESS</td>
<td>An error occurred while accessing the catalog for this dataset in order to perform the security check.</td>
</tr>
<tr>
<td>DEFPATH FAIL</td>
<td>An error occurred while attempting to define a path.</td>
</tr>
<tr>
<td>DUP DSNAME</td>
<td>A duplicate dsname has been detected.</td>
</tr>
<tr>
<td>GDG BASE ERR</td>
<td>An error occurred while attempting to define a GDG base for this GDG dataset.</td>
</tr>
<tr>
<td>MISSING VVR</td>
<td>The VVR record was not found in the VSAM vvds dataset.</td>
</tr>
<tr>
<td>NAME 2 LONG</td>
<td>The dataset matched a RENAME request statement, but the new dataset name is greater than 44 characters.</td>
</tr>
<tr>
<td>NO CLUSTER</td>
<td>Unable to determine the base cluster associated with an AIX dataset.</td>
</tr>
<tr>
<td>NO DSORG</td>
<td>The dataset dsorg did not match the types of datasets selected for processing. Refer to the PROCESS request statement for this device.</td>
</tr>
<tr>
<td></td>
<td>If VSAM is requested, then datasets with a dstype of NVSAM are not selected for processing. Likewise, if NON-VSAM is requested, then</td>
</tr>
<tr>
<td></td>
<td>datasets with a dstype of CLSTR are not selected for processing.</td>
</tr>
<tr>
<td>NOT CATLG''D</td>
<td>A catalog was not specified on this request.</td>
</tr>
<tr>
<td>NOT SELECTED</td>
<td>The dataset did not match any RENAME request statements.</td>
</tr>
<tr>
<td>NVSAM ONLY</td>
<td>This is a VSAM dataset and only non-VSAM datasets have been selected for processing.</td>
</tr>
<tr>
<td>RECAT FAILED</td>
<td>The request to recatalog this VSAM dataset failed.</td>
</tr>
<tr>
<td>RENAME FAIL</td>
<td>The request to rename this dataset failed.</td>
</tr>
<tr>
<td><em>RESERVED</em></td>
<td>The dataset may not be processed. This includes the VTOC index dataset, the VSAM vvds dataset and all catalog datasets.</td>
</tr>
<tr>
<td>Status</td>
<td>Meaning</td>
</tr>
<tr>
<td>------------------</td>
<td>------------------------------------------------------------------------</td>
</tr>
<tr>
<td>SECURITY ERR</td>
<td>This user does not have the appropriate security for processing this dataset.</td>
</tr>
<tr>
<td>VOL MISSING</td>
<td>One or more volumes of a multi-volume dataset are not selected for processing.</td>
</tr>
<tr>
<td>VSAM ONLY</td>
<td>This is a non-VSAM dataset and only VSAM datasets have been selected for processing.</td>
</tr>
<tr>
<td>2 MANY VOLS</td>
<td>A multi-volume dataset has too many volumes. This can occur if the source dataset is not found in the source catalog or if the dataset name was found on more volumes than expected. For instance, a three volume dataset is found on four different volumes.</td>
</tr>
<tr>
<td>&gt; 59 VOLUMES</td>
<td>A catalog lookup indicated that this was a multi-volume dataset. There are more than 59 volumes in the list of eligible volumes.</td>
</tr>
</tbody>
</table>

In some cases, the IDCAMS output from the request is included in the jobstream.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

**BCVU010W**

<table>
<thead>
<tr>
<th>dsname dstype status</th>
</tr>
</thead>
</table>

**Cause**
The LSPACE utility was called and a non-zero return code resulted. This is an internal error. See message BCVU010I for a list of the statuses and their meanings.

**Action**
Review the JOB log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**BCVU016E**

**NON-ZERO RETURN CODE FROM LSPACE**

**Cause**
The LSPACE utility was called and a non-zero return code resulted. This is an internal error.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**BCVU023E**

FREE OF FILE xxxxxxxxxx FAILED - RC= ERROR= INFO=

**Cause**
Dynamic allocation was called to free the ddname identified in the message. The return code, error code and information code are identified.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**BCVU024E**

ALLOCATE OF FILE xxxxxxxxxx FAILED - RC= ERROR= INFO=

**Cause**
Dynamic allocation was called to allocate the volume to be processed by the ddname identified in the message. The return code, error code and information code are identified.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**BCVU025E**

UNABLE TO RESOLVE IDCAMS MODEL -

**Cause**
A request to call IDCAMS using a model statement is unable to locate the model statement identified in the message text.

**Action**
Supply the model statement using the TFMODEL input. Unless a patch has been applied, this condition should not occur. It may be necessary to save the output and contact the Dell EMC Customer Support Center for technical assistance.
BCVU026E

MODEL STATEMENT HAS NO TEXT -

Cause
A request for a model statement was able to find the model statement identified in the message text, but the text is empty.

Action
This condition should only occur when the model statement text has been supplied using the TFMODEL input. Correct the TFMODEL input.

BCVU027E

MODEL STATEMENT EXPANDED BEYOND 32K IN SIZE -

Cause
The model statement identified in the message text was expanded beyond the 32k buffer size.

Action
This condition should only occur when the model statement text has been supplied using the TFMODEL input. Correct the TFMODEL input.

BCVU028E

DEVICE "CCUU/VOLSER" IS NOT ONLINE, PROCESSING BYPASSED

Cause
The device identified in the message text is not online.

Action
Vary the device online.

BCVU029W

NO VOLUMES REQUESTED FOR PROCESSING

Cause
No RELABEL or PROCESS request statement were selected for processing.

Action
Add the appropriate RELABEL or PROCESS statements.
BCVU030I

BCVU030I FIND_ALL_CATALOGS STORAGE RELEASE FAILED, RC=xxxxxxxx

Cause
This message will only be generated when the storage release fails doing DIVERT processing for logical migrations via z/OS Migrator. There is a potential for a private area storage shortage if this message is received multiple times while doing logical migrations.

Action
z/OS Migrator servers should be stopped and coldstarted at the earliest convenience.
If you cannot correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVU031I

PROCESSING DATASETS

Cause
Processing of non-VSAM datasets and VSAM component datasets is beginning.

Action
This is an informational message only. No user action is required.

BCVU032I

DATA: dsname

Cause
This message identifies the data component dataset name for the cluster being processed.

Action
This is an informational message only. No user action is required.

BCVU033I

INDEX: dsname

Cause
This message identifies the index component dataset name for the cluster being processed.

Action
This is an informational message only. No user action is required.
BCVU034I

CATALOG: catname

**Cause**
This message identifies the new catalog name associated to the dataset being processed.

**Action**
This is an informational message only. No user action is required.

BCVU035I

RECATALOG PERFORMED

**Cause**
A RECATALOG of this VSAM cluster into the new catalog was performed.

**Action**
This is an informational message only. No user action is required.

BCVU036I

NEWNAME: dsname

**Cause**
This message identifies the new name which was assigned to the dataset being processed.

**Action**
This is an informational message only. No user action is required.

BCVU037I

CLUSTER: clustname

**Cause**
This message identifies the cluster name for the VSAM component dataset being processed.

**Action**
This is an informational message only. No user action is required.

BCVU038I

CATALOG NAME UPDATED IN THE VVDS
Cause
The VVDS VVR entries for the dataset has been updated to reflect the new catalog name.

Action
This is an informational message only. No user action is required.

**BCVU039E**

ENQ FOR EMCTF FAILED - PROCESSING TERMINATED

Cause
An ENQ for QNAME EMCTF was issued and failed. Most likely this volume is being processed by this utility in another job.

Action
Wait until the other job completes.

**BCVU040I**

SUCCESSFUL ALLOCATION FOR NEW CATALOG -

Cause
The catalog indicated in the message text was successfully allocated.

Action
This is an informational message only. No user action is required.

**BCVU041E**

ALLOCATION FAILED FOR NEW CATALOG -

Cause
An attempt to create the catalog indicated in the message text failed.

Action
Review the IDCAMS output. If the condition persists, save the output and contact the Dell EMC Customer Support Center for technical assistance.

**BCVU043I**

THIS IS A CATALOG DATASET, UNABLE TO PROCESS

Cause
A catalog dataset was selected for processing. We are not able to process catalog datasets.

Action
This is an informational message only. No user action is required.
BCVU044I

CATALOG PERFORMED

Cause
The non-VSAM dataset was successfully catalogued into the new catalog.

Action
This is an informational message only. No user action is required.

BCVU045I

PROCESSING COMPLETED FOR VOLUME

Cause
Processing for the volume identified is complete.

Action
This is an informational message only. No user action is required.

BCVU047I

RELABEL PROCESSING STARTED

Cause
Processing of the RELABEL requests is beginning.

Action
This is an informational message only. No user action is required.

BCVU048I

RELABEL PROCESSING COMPLETED

Cause
Processing of the RELABEL requests is complete.

Action
This is an informational message only. No user action is required.

BCVU049E

RELABEL "CCUU" FAILED, CLIPTF RC=xx
Cause
An attempt to relabel the device identified in the message text failed. The condition returned by the CLIPTF utility program is also identified in the message text. The very next message in the message log should explain the return code.

Action
Refer to the next message in the message log. If missing, save the output and contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVU050E

RC=04 - DEVICE NOT OPERATION OR UCB INVALID

Cause
The CLIPTF set a return code of '04' indicating that the device is not operational or that the UCB is invalid. The device should be offline.

Action
Save the output and contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

BCVU051E

RC=08 - VOL1 RECORD BAD OR OLD VOLSER MISMATCH

Cause
The CLIPTF set a return code of '08' indicating that the VOL1 record was bad or that the OLD-VOLSER did not verify. The device should be offline.

Action
Most likely, the label of the volume on the device does not match the OLD-VOLSER specified in the RELABEL request statement. Issue the "VARY ONLINE" command from a console to determine the actual volser. Correct the OLD-VOLSER in the RELABEL request statement. Do not forget to vary the device back offline before reprocessing.

BCVU052E

RC=12 - I/O ERROR OCCURRED

Cause
The CLIPTF set a return code of '12' indicating that an I/O error has occurred.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
**BCVU053E**

RC=16 - INVALID REQUEST

**Cause**
The CLIPTF set a return code of '16' indicating that the input request was invalid. This is an internal error.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**BCVU054E**

DEVICE "CCUU/VOLSER" FAILED TO COME ONLINE AFTER RELABEL

**Cause**
The device indicated in the message text did not come online within five minutes after processing. The RELABEL was successful and a "VARY ONLINE" command was issued.

**Action**
Examine the device to determine why it did not vary online successfully.

**BCVU055I**

DEVICE "CCUU/VOLSER" RELABELED SUCCESSFULLY

**Cause**
The device indicated in the message text has been relabeled and varied online successfully.

**Action**
This is an informational message only. No user action is required.

**BCVU056E**

I/O READING LABEL FOR UNIT "CCUU/VOLSER"

**Cause**
An I/O error occurred while reading the VOL1 label from the device indicated in the message text.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct
the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**BCVU057E**

- **VOLSER ON "CCUU" INCORRECT, EXPECTED "VOLSER", FOUND "VOLSER"**

  **Cause**
  The VOL1 label on the device was incorrect. The device, expected volser and found volser are identified in the message text.

  **Action**
  This device may have been relabeled from another system. If this is correct, vary the device offline and then online. Otherwise, rerun the job with a DEBUG request statement, save the output from this job and contact the Dell EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation, including the SYSLOG and JOB log.

**BCVU058W**

- **UNABLE TO DETERMINE OLD VOLSER FOR DEVICE "CCUU/VOLSER"**

  **Cause**
  The VOL1 label on the device did not contain the previous volser. When a RELABEL request is processed against a device the prior volser is stored into an unused portion of the VOL1 label. The old volser is necessary in order to process multivolume datasets. Otherwise, it is unnecessary.

  **Action**
  If a multivolume dataset resides on this device and should be processed, the device must be set back to the original volser and a RELABEL request must be executed. If there are no multivolume datasets to be processed, then this situation can be ignored.

**BCVU059E**

- **VOL1 LABEL INCORRECT FOR DEVICE "CCUU/VOLSER"**

  **Cause**
  The VOL1 label on the device was read, but the "VOL1" eye-catcher was invalid.

  **Action**
  Check the volume label record on the device.

**BCVU060E**

- **RC=20 - DEVICE INTERVENTION - MAY STILL BE ESTABLISHED**

- **BCVU057E**
  - 2361
Cause
The CLIPTF set a return code of ‘20’ indicating that the device is not available. The most likely cause is that the device is still established.

Action
Split the device and rerun the job.

BCVU061I
CLEANUP HAS BEEN PERFORMED ON CATALOG

Cause
The catalog indicated in the message text has been examined and all datasets catalogued to volumes included in this run have been uncataloged.

Action
This is an informational message only. No user action is required.

BCVU062E
OPERATOR FAILED REQUEST TO RELABEL DEVICE "CCUU"

Cause
A RELABEL request was to execute against the device identified in the message text. The device is not a Dell EMC BCV device. A WTOR (message BCVU063R) was issued to the operator console asking whether the command action should proceed and the console operator failed the request.

Action
Make sure that you really wish to relabel this non-BCV device. If so, instruct the console operator to respond to the WTOR (message BCVU063R) with Y to relabel it.

BCVU063R
RELABEL NON-BCV DEVICE CCUU? REPLY Y TO RELABEL OR N TO FAIL

Cause
A RELABEL request is scheduled to execute against the device identified in the message text. The device is not a Dell EMC BCV device.

Action
If the command action is to proceed, reply Y to the outstanding WTOR, otherwise reply N.

BCVU064E
OPERATOR FAILED REQUEST TO PROCESS DEVICE "CCUU/VOLSER"
**Cause**
A PROCESS request was to execute against the device identified in the message text. The device is not a Dell EMC BCV device. A WTOR (message BCVU065R) was issued to the operator console asking whether the command action should proceed and the console operator failed the request.

**Action**
Make sure that you really wish to process this non-BCV device. If so, instruct the console operator to respond to the WTOR (message BCVU065R) with Y to continue processing.

---

**BCVU065R**

PROCESS NON-BCV DEVICE CCUU/VOLSER? REPLY Y TO PROCESS OR N TO FAIL

**Cause**
A PROCESS request is scheduled to execute against the device identified in the message text. The device is not a Dell EMC BCV device.

**Action**
If the command action is to proceed, reply Y to the outstanding WTOR, otherwise reply N.

---

**BCVU066I**

THIS IS A RESERVED DATASET, UNABLE TO PROCESS'

**Cause**
A reserved dataset was selected for processing. We are not able to process SYS1.VTOCIX or SYS1.VVDS datasets.

**Action**
This is an informational message only. No user action is required.

---

**BCVU067I**

BASE: clustname

**Cause**
This message identifies the primary cluster name for an alternate index being processed.

**Action**
This is an informational message only. No user action is required.

---

**BCVU068I**

DEVICE "CCUU/VOLSER" LEFT OFFLINE, AS REQUESTED
**Cause**
This message identifies that a relabeled volume has been left offline after the relabel, as requested in the RELABEL control statement.

**Action**
This is an informational message only. No user action is required.

**BCVU069I**

PATH: `pathname`

**Cause**
This message identifies a path which is associated with the dataset.

**Action**
This is an informational message only. No user action is required.

**BCVU070I**

NEWPATH: `pathname`

**Cause**
This message identifies the new name associated with a path. This message will immediately follow message BCVU069I which identifies the old path name.

**Action**
This is an informational message only. No user action is required.

**BCVU071I**

AIX: `clustname`

**Cause**
This message identifies an alternate index cluster (AIX) associated with this primary base cluster.

**Action**
This is an informational message only. No user action is required.

**BCVU072E**

SECURITY CHECK FAILED FOR DATASET:

**Cause**
A SAF request was made to ensure proper security authorization or renaming the path.

**Action**
Contact your security administrator to obtain ALTER authority for renaming the path.
SECURITY CHECK FAILED FOR PATH:

**Cause**
A SAF request was made to ensure proper security authorization or renaming the path.

**Action**
Contact your security administrator to obtain ALTER authority for renaming the path.

IMPROPER VTOC INDEX DATASET FOUND

**Cause**
A VTOC INDEX dataset was found on the volume being processed. The proper name format is "SYS1.VTOCIX.vvvvvv", where vvvvvv is the volume serial number of the volume being processed. In this case, a dataset was found beginning with "SYS1.VTOCIX." but did not have the proper volume serial number.

**Action**
Processing of this volume will not proceed until the dataset name has been corrected.

IMPROPER VVDS DATASET FOUND

**Cause**
A VVDS dataset was found on the volume being processed. The proper name format is "SYS1.VVDS.Vvvvvvv," where vvvvvv is the volume serial number of the volume being processed. In this case, a dataset was found beginning with "SYS1.VVDS.V" but did not have the proper volume serial number.

**Action**
Processing of this volume will not proceed until the dataset name has been corrected.

TOO MANY VTOC INDEX DATASETS FOUND ON VOLUME

**Cause**
Multiple datasets have been found on the volume where the dataset name begins with "SYS1.VTOCIX."

**Action**
Processing of this volume will not proceed until only one properly named VTOC index dataset is present.
BCVU077E

**TOO MANY VVDS DATASETS FOUND ON VOLUME**

**Cause**
Multiple datasets have been found on the volume where the dataset name begins with "SYS1.VVDS.V."

**Action**
Processing of this volume will not proceed until only one properly named VVDS dataset is present.

BCVU078I

**nnnnnnnnn RESERVED DATASETS WERE NOT PRINTED**

**Cause**
One or more summary messages regarding reserved datasets were not printed.

**Action**
This is an informational message only. No user action is required.

BCVU079I

**nnnnnnnnn NOT SELECTED DATASETS WERE NOT PRINTED**

**Cause**
One or more summary messages regarding datasets which were not selected for processing were not printed.

**Action**
This is an informational message only. No user action is required.

BCVU080I

**RUN COMPLETE, HIGHEST RC= rccode**

**Cause**
The EMCTFU utility has completed processing. The highest return code encountered during processing is identified.

**Action**
If the RC is non-zero. then the log should be examined for unusual conditions.
**BCVU081I**

*** EMC TIMEFINDER Vv.r.m ***

**Cause**
This is the title line for each page.

**Action**
This is an informational message only. No user action is required.

---

**BCVU082I**

GDG BASE WAS CREATED FOR THIS DATASET

**Cause**
A GDG dataset is being processed. The GDG base did not previously exist in the target catalog. In order for the RECATALOG request to succeed, a new GDG base was created in the target catalog.

**Action**
This is an informational message only. No user action is required.

---

**BCVU083E**

ERROR OBTAINING INFORMATION ABOUT CATALOG

**Cause**
An error occurred while attempting to obtain information about a catalog.

**Action**
Typically, the catalog is offline. Vary the device containing the catalog online and try the operation again.

---

**BCVU084I**

DEFINE PATH PERFORMED

**Cause**
This path was successfully defined in the target catalog.

**Action**
This is an informational message only. No user action is required.

---

**BCVU085E**

VSAM CLUSTER MISSING DATA OR INDEX COMPONENT
**Cause**
A VSAM component dataset was found and the cluster type has been determined to be KSDS cluster. Either the data or index component dataset is missing.

**Action**
This normally occurs when the data and index components reside on separate volumes and one of those volumes was not selected for processing. Ensure that the volume with the missing component is selected for processing.

**BCVU086I**

**VOLUME:**

**Cause**
This message identifies the first ten volumes containing the dataset.

**Action**
This is an informational message only. No user action is required.

**BCVU087E**

**UNABLE TO ACQUIRE STORAGE FOR I/O**

**Cause**
Region size too small.

**Action**
Increase the region size. Consider specifying approximately 2 Mbs for each volume processed. For instance, if 64 volumes are being processed, specify REGION=128M.

**BCVU088E**

**I/O ERROR READING TRACK IMAGE, SIOIOB RC XXXXXXXX IOBRC xxxxxxxxx**

**Cause**
An I/O error occurred reading a track image.

**Action**
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**BCVU089I**

**OBTAINING VSAM CLUSTER INFORMATION AND ATTRIBUTES**

**Cause**
The program is now obtaining VSAM cluster information
Action
This is an informational message only. No user action is required.

BCVU090I

BEGINNING RENAME ACTIVITY THROUGH SUBTASKS

Cause
The program is starting to rename the datasets.

Action
This is an informational message only. No user action is required.

BCVU091I

CLEANUP HAS BEEN STARTED ON CATALOG xxxxxxxxx

Cause
The program is performing clean on the identified catalog.

Action
This is an informational message only. No user action is required.

BCVU092I

CATALOG VSAM MACRO ERROR - xxxxxxxxx

Cause
A error occurred accessing the catalog.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

BCVU093I

ERROR OPENING CATALOG - xxxxxxxxx

Cause
An error occurred opening the catalog.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.
BCVU094I

VOLUME xxxxxx VTOC COUNT=999999999 VVDS COUNT=999999999 DATASET COUNT=999999999

Cause
A status message identifying the various records found on the volume.

Action
This is an informational message only. No user action is required.

BCVU095I

STATUS: VOLUME xxxxxx TOTAL=999999999 PROCESSED=999999999 SKIPPED=999999999

Cause
A status message issued every 15 minutes during processing for each volume.

Action
This is an informational message only. No user action is required.

BCVU096I

UNCATALOGS HAVE STARTED FOR CATALOG xxxxxxxx

Cause
Dataset cleanup has identified some datasets to be uncataloged. The program is now performing the uncatalogs.

Action
This is an informational message only. No user action is required.

BCVU097I

Cause
A status message issued every 15 minutes during processing for each volume.

Action
This is an informational message only. No user action is required.

BCVU098I

CANDIDATE VOLUME COUNT: xxxxxxxx
Cause
This identified the number of candidate volumes assigned to the dataset being
renamed.

Action
This is an informational message only. No user action is required.

BCVU099E

SUBTASK HAS PREMATURELY TERMINATED

Cause
One of the processing subtasks has abnormally terminated.

Action
Review the JOB log and SYSLOG for errors. Search the Dell EMC Knowledgebase for
applicable solutions relating to this message ID. If you cannot determine and correct
the problem, contact the Dell EMC Customer Support Center for technical assistance.
Make sure you have the SYSLOG, the JOB log, and all relevant job documentation
available.

BCVUI01E

DDNAME TFINPUT NOT FOUND

Cause
The TFINPUT ddname is not present in your JCL.

Action
Specify the TFINPUT ddname in your JCL.

BCVUI02E

OPEN FAILED FOR DDNAME TFINPUT

Cause
The TFINPUT ddname is coded incorrectly.

Action
The record size must be 80.

BCVUI03I

START OF INPUT CONTROL STATEMENT(S) FROM TFINPUT

Cause
Statements read from ddname TFINPUT follow this message.

Action
This is an informational message only. No user action is required.
<table>
<thead>
<tr>
<th>Code</th>
<th>Message Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCVUI04I</td>
<td>This statement contains the text of a line read from ddname TFINPUT.</td>
</tr>
<tr>
<td></td>
<td>This is an informational message only. No user action is required.</td>
</tr>
<tr>
<td>BCVUI05I</td>
<td>All statements have been read from ddname TFINPUT.</td>
</tr>
<tr>
<td></td>
<td>This is an informational message only. No user action is required.</td>
</tr>
<tr>
<td>BCVUI06E</td>
<td>The first word on the statement read was not a valid request.</td>
</tr>
<tr>
<td></td>
<td>Correct or comment the statement. Valid requests are: DEBUG, SIMULATE, RELABEL, PROCESS, CATALOG, and RENAME.</td>
</tr>
<tr>
<td>BCVUI08E</td>
<td>A PROCESS statement was found in TFINPUT but no RENAME statements were detected. Both statements are required.</td>
</tr>
<tr>
<td></td>
<td>Specify both PROCESS and RENAME statements.</td>
</tr>
<tr>
<td>BCVUI09E</td>
<td>A RENAME statement was found in TFINPUT but no PROCESS statements were detected. Both statements are required.</td>
</tr>
</tbody>
</table>
CAUSE
A RENAME statement was found in TFINPUT but no PROCESS statements were detected. Both statements are required.

ACTION
Specify both PROCESS and RENAME statements.

BCVUI10E

PROCESS OR RELABEL STATEMENT REQUIRED IN TFINPUT

CAUSE
No PROCESS or RELABEL statements were detected in TFINPUT. PROCESS or RELABEL statements are required.

ACTION
Specify the statements required for this task.

BCVUI16E

"VSAM" "NON-VSAM" AND "BOTH" ARE MUTUALLY EXCLUSIVE

CAUSE
Two or more of these operands have been specified on the same input statement.

ACTION
Determine the correct operand and remove the improper ones. If both VSAM and non-VSAM datasets are to be processed, use the keyword BOTH rather than specify the two operands together.

BCVUI18E

NO UCB FOUND FOR SPECIFIED "CUU"

CAUSE
A CUU was specified which was syntactically correct, but a matching device was not found on this system.

ACTION
Correct the CUU parameter to refer to a valid device.

BCVUI20E

DEVICE FOR "CCUU" NOT THE SAME AS DEVICE FOR "VOLSER"

CAUSE
Both the CUU and VOLSER parameters were specified. Both the CUU and VOLSER refer to valid devices. BUT, the device containing the volume is not mounted on the CUU device.
Action
One or both parameters are incorrect. Correct the bad parameter.

BCVUI21E

EITHER "CUU" OR "VOLSER" MUST BE SPECIFIED

Cause
The CUU and VOLSER parameters are both missing. Unable to determine the device.

Action
Add a CUU and/or VOLSER parameter to specify the device.

BCVUI23I

"VSAM" "NON-VSAM" AND "BOTH" MISSING, "BOTH" ASSUMED

Cause
No dataset selection parameters were specified, BOTH has been assumed as the default.

Action
This is an informational message only. No user action is required.

BCVUI27E

SYNTAX ERROR - CATALOG NAME MISSING

Cause
The catalog name is required on the CATALOG request statement.

Action
Specify a valid catalog name or remove the partial CATALOG request statement.

BCVUI28E

"NEW" NOT SPECIFIED, BUT CATALOG DOES NOT EXIST

Cause
The catalog specified on the CATALOG request statement does not exist.

Action
If the catalog should be created, add the NEW and VOLSER parameters. If the catalog name is incorrect, correct the catalog name.
BCVUI29E

"NEW" SPECIFIED, BUT CATALOG ALREADY EXISTS

Cause
The catalog specified on the CATALOG request statement already exists and cannot be created.

Action
Remove the NEW and VOLSER parameters or correct the catalog name to one which does not exist.

BCVUI30E

"VOLSER" SPECIFIED WITHOUT "NEW"

Cause
The VOLSER parameter was specified on the CATALOG request statement indicating that the catalog is to be created, but the NEW parameter is missing.

Action
If the catalog is to be created, add the NEW parameter; otherwise remove the VOLSER parameter.

BCVUI31E

"DEFAULT" CATALOG ALREADY SPECIFIED

Cause
The DEFAULT parameter was specified on multiple CATALOG request statements. Only one catalog may be specified as the default catalog.

Action
Determine which catalog is desired as the default catalog and remove the DEFAULT operand from all other CATALOG request statements.

BCVUI35E

SYNTAX ERROR - OLD-HLQ MISSING

Cause
The OLD-HLQ parameter is required.

Action
Add the OLD-HLQ parameter to the input statement.
BCVUI36E

SYNTAX ERROR - "*" MUST BE LAST CHAR IN NAME

Cause
A wildcard character "*" was specified, but it must be the last character in the name.

Action
Correct the qualifier.

BCVUI38E

CATALOG REFERENCED, BUT NOT VALID -

Cause
The catalog specified in the message was specified on one of the input request statements, but the catalog does not actually exist.

Action
If the catalog name is incorrect, correct it. If the catalog is correct and should be created, add a CATALOG statement with the NEW and VOLSER parameters.

BCVUI39E

DEVICE IS NOT AVAILABLE FOR USE

Cause
A device containing the specified volume was found, but the device is set to a status which makes it unavailable for use.

Action
Check the device and make sure that it is available for use.

BCVUI40E

"NEW" SPECIFIED WITHOUT "VOLSER"

Cause
The NEW parameter was specified on the CATALOG request statement indicating that the catalog is to be created, but the VOLSER parameter is missing.

Action
If the catalog is to be created, add the VOLSER parameter; otherwise remove the NEW parameter. If the catalog is to be created under SMS, then specify a volser of SMSVOL.
**BCVUI42E**

"SIMULATE" ALREADY SPECIFIED

**Cause**
Multiple SIMULATE request statements have been encountered in the input request stream.

**Action**
Remove duplicate SIMULATE request statements.

---

**BCVUI44E**

"DEBUG" ALREADY SPECIFIED

**Cause**
Multiple DEBUG request statements have been encountered in the input request stream.

**Action**
Remove duplicate DEBUG request statements.

---

**BCVUI46E**

"CLEANUP" AND "NEW" ARE MUTUALLY EXCLUSIVE

**Cause**
The NEW operand is used to create a new catalog. The CLEANUP operand is used to remove entries from an existing catalog. These two parameters cannot be specified together.

**Action**
If the catalog already exists, remove the NEW and VOLSER parameters. If this is a new catalog, remove the CLEANUP parameter.

---

**BCVUI47E**

EACH RENAME STATEMENT MUST SPECIFY A CATALOG OR A DEFAULT CATALOG MUST BE ASSIGNED

**Cause**
A dataset is catalogued or re catalogued before the rename operation is performed. A catalog must be specified on the RENAME request statement or a default catalog must be designated on a CATALOG request statement.

**Action**
Specify a catalog on each RENAME request statement or add the DEFAULT operand on a CATALOG request statement.
BCVUI53E

"CUU=" MUST BE SPECIFIED

Cause
The CUU parameter is missing. Unable to determine the device.

Action
Add the CUU parameter to specify the device.

BCVUI54E

"OLD-VOLSER=" MUST BE SPECIFIED

Cause
The OLD-VOLSER parameter is missing. Unable to verify the prior volser.

Action
Add the OLD-VOLSER parameter.

BCVUI55E

"NEW-VOLSER=" MUST BE SPECIFIED

Cause
The NEW-VOLSER parameter is missing. Unable to change the device volume label.

Action
Add the NEW-VOLSER specifying the new volume label.

BCVUI56E

"NEW-VOLSER=" VOLUME FOUND ONLINE, NOT ON "CUU=" UNIT

Cause
The specified NEW-VOLSER was found online, but not on the same device as specified by the CUU parameter.

Action
If the new volume is already available, either correct the CUU parameter or remove the RELABEL request statement. If the new volser is specified incorrectly, correct it.

BCVUI57I

"NEW-VOLSER=" VOLUME FOUND ONLINE ON "CUU=" UNIT
Cause
The specified NEW-VOLSER was found online and on the same device as specified by the CUU parameter.

Action
None. An assumption is made that the volume has already been relabeled.

**BCVUI58I**

RELABEL REQUEST IGNORED

Cause
This message will be preceded by a message with an explanation (most likely message BCVUI57I). The RELABEL request is not invalid, but it has been determined that the processing does not need to be performed.

Action
This is an informational message only. No user action is required.

**BCVUI59E**

"CUU=" DEVICE WAS FOUND ONLINE, IT MUST BE OFFLINE TO RELABEL

Cause
The specified CUU device was found online and it did not contain a device with the volume label matching the NEW-VOLSER. In order for the RELABEL to operate, the device must be in an offline status.

Action
If this is the correct device, vary the device offline. If this is the wrong device, correct the CUU parameter.

**BCVUI61E**

NO UCB FOUND FOR VOLSER=

Cause
A PROCESS request statement specified a volser which was not found in the list of online devices. The list of RELABEL request statements were also searched for one matching this volser.

Action
If this is the correct volser, determine the actual device and vary it online. If the volser is incorrect, correct it.

**BCVUI62E**

DEVICE "ccuu" IS NOT AVAILABLE FOR USE
Cause
The device indicated in the message text is valid, but the device is set to a status which makes it unavailable for use.

Action
Check the device and make sure that it is available for use.

BCVUI63E

"DEBUGEXTENTS" ALREADY SPECIFIED

Cause
Multiple DEBUGEXTENTS request statements have been encountered in the input request stream.

Action
Remove duplicate DEBUGEXTENTS request statements.

BCVUI64E

SECURITY CHECK FAILED FOR OLD-VOLSER

Cause
A SAF security check has been issued with ALTER authority for the old volser.

Action
You must have ALTER authority for the old volser. Contact your security administrator.

BCVUI65E

SECURITY CHECK FAILED FOR NEW-VOLSER

Cause
A SAF security check has been issued with ALTER authority for the new volser.

Action
You must have ALTER authority for the new volser. Contact your security administrator.

BCVUI66E

"PRINT" SPECIFIED WITHOUT "ID"

Cause
The PRINT keyword has been encountered while parsing the MESSAGES statement. The PRINT keyword must be used in conjunction with the ID keyword.

Action
Add the ID keyword specifying the message ID.
BCVUI67E

"CONSOLE" SPECIFIED WITHOUT "ID"

**Cause**
The CONSOLE keyword has been encountered while parsing the MESSAGES statement. The CONSOLE keyword must be used in conjunction with the ID keyword.

**Action**
Add the ID keyword specifying the message ID.

BCVUI68E

"ROUTCDE" SPECIFIED WITHOUT "ID"

**Cause**
The ROUTCDE keyword has been encountered while parsing the MESSAGES statement. The ROUTCDE keyword must be used in conjunction with the ID keyword.

**Action**
Add the ID keyword specifying the message ID.

BCVUI69E

"DESC" SPECIFIED WITHOUT "ID"

**Cause**
The DESC keyword has been encountered while parsing the MESSAGES statement. The DESC keyword must be used in conjunction with the ID keyword.

**Action**
Add the ID keyword specifying the message ID.

BCVUI70E

DDNAME SYSOUT NOT FOUND

**Cause**
The SYSOUT ddname is not present in your JCL.

**Action**
Specify the SYSOUT ddname in your JCL.
VOLUME "volser" SELECTED FOR RELABEL -OFFLINE AND PROCESS, OFFLINE IGNORED

**Cause**
A RELABEL statement for a volume contained the OFFLINE keyword, indicating that the volume should remain offline after being relabeled. However, a PROCESS statement was also encountered for the same volume. The volume cannot remain offline and be processed. The OFFLINE keyword will be ignored and the volume will be brought online for additional processing.

**Action**
Remove the OFFLINE keyword from the RELABEL statement.

UNABLE TO SIMULATE PROCESSING VOLUME "volser" UNTIL ACTUAL RELABEL PERFORMED

**Cause**
A RELABEL statement for a volume is present, along with a PROCESS statement for the same volume. A SIMULATE statement has also been encountered. The PROCESS cannot be simulated until the volume has actually been relabeled and brought online.

**Action**
RELABEL the volume and rerun.

"DEBUGCLEANUP" ALREADY SPECIFIED

**Cause**
The DEBUGCLEANUP statement has been encountered twice in the input command stream.

**Action**
Remove one of the occurrences.

"SYSCTLG" AND "NEW"/"VOLSER" ARE MUTUALLY EXCLUSIVE'

**Cause**
CATALOG=SYSCTLG was specified along with information for creating a new catalog. System catalogs must already exist and cannot be created.
Action
If the system catalog is desired, make sure that it is already pre-allocated and remove the NEW or VOLSER parameters. If a new catalog is desired, change the CATALOG=SYSCTLG to indicate the new catalog name.

BCVUI75E

"SYSCTLG AND "CLEANUP" ARE MUTUALLY EXCLUSIVE"

Cause
CATALOG=SYSCTLG and the CLEANUP parameter were both specified. CLEANUP is not allowed on the whole system catalog structure and all system catalog datasets.

Action
Remove the CLEANUP parameter.

BCVUI76E

VOLUME "vvvvvv" IS NOT AVAILABLE FOR USE

Cause
A volser was specified that cannot be found online.

Action
Correct the volser or vary the device online

BCVUI78E

"DEBUGIDCAMS" ALREADY SPECIFIED

Cause
A DEBUGIDCAMS statement has been encountered twice in the input command.

Action
Remove one of the occurrences.

BCVUM01E

OPEN FAILED FOR DDNAME TFMODEL

Cause
The TFMODEL ddname is coded correctly.

Action
The record size must be 80.
START OF INPUT CONTROL STATEMENT(S) FROM TFMODEL

Cause
Statements read from ddname TFMODEL follow this message.

Action
This is an informational message only. No user action is required.

END OF INPUT CONTROL STATEMENT(S) FROM TFMODEL

Cause
All statements have been read from ddname TFMODEL.

Action
This is an informational message only. No user action is required.