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**Symmetrix
SRDF Host Component
for z/OS
Version 5.3.0**

MESSAGE AND CODE GUIDE

**P/N 300-000-260
REV A05**

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Printed December, 2004

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As part of its effort to continuously improve and enhance the performance and capabilities of the EMC product line, EMC periodically releases new versions of both the EMC Enginuity Operating Environment and SRDF Host Component. Therefore, some functions described in this guide may not be supported by all versions of Enginuity microcode currently in use. For the most up-to-date information on product features, see your product release notes. If an SRDF Host Component feature does not function properly or does not function as described in this guide, please contact the EMC Customer Support Center for assistance.

Audience

This guide is intended for the host system administrator, system programmer, or operator who is involved in managing or operating the Symmetrix subsystem.

Organization

Here is an overview of where information is located in this guide:

Chapter 1, <i>Host Component Message Formats</i>	Describes the format for messages listed in this manual.
Chapter 2, <i>Host Component Messages</i>	Describes and lists the messages reported by the SRDF Host Component, the reason for the message, and the recommend user action.
Appendix A, <i>Customer Support</i>	Reviews the EMC process for detecting and resolving software problems, and provides essential questions that you should answer before contacting the EMC Customer Support Center.
Glossary	Describes terms used in this guide.

Related Documentation

Related documents include:

- ◆ *Symmetrix SRDF Host Component for z/OS Product Guide*, P / N 300-000-163, EMC Corporation
- ◆ *Symmetrix SRDF Host Component for z/OS Release Notes*, P / N 300-000-164, EMC Corporation
- ◆ *EMCSPE Programmer's Reference Manual*, P / N 300-000-657, EMC Corporation
- ◆ *Host Component REXX Interface Programmer's Guide*, P / N 300-002-205, EMC Corporation
- ◆ *EMC ResourcePak Base for z/OS Product Guide*, P / N 300-999-341, EMC Corporation
- ◆ *EMC SWAP Services Message and Code Guide*, P / N 300-001-076, EMC Corporation

For additional information about EMC documentation, contact your EMC sales representative or refer to the EMC Powerlink website at:

<http://powerlink.emc.com>

Related Vendor Information

For reference material about the IBM operating systems, refer to:

<http://publib.boulder.ibm.com/>

Conventions Used in this Guide

EMC uses the following conventions for notes and cautions.

A note presents information that is important, but not hazard-related.

Text marked **Note:**, **Important:**, **Tip:**, **Background:**, or **Exception:** calls attention to any item of information that may be of special importance.



CAUTION

A caution contains information essential to avoid data loss or damage to the system or equipment. The caution may apply to hardware or software.

Typographical Conventions

EMC uses the following type style conventions in this guide:

AVANTGARDE SMALLCAPS	Keystrokes
Bold	Names of CLI commands or utilities used in text
<i>Italic</i>	• New terms or unique word usage in text • Emphasis in text • Variable values that are displayed only and do not have to be entered • Book titles in text • Heading titles used as references in text
Courier	• System output • Command line entries
Courier bold	• User entry in examples • Options in command line syntax
<i>Courier italic</i>	Arguments used in examples of command line syntax

z/OS Syntax Conventions

The syntax conventions used in this guide are:

- ◆ CAPITALIZATION = must be typed
- ◆ [] = optional entry
- ◆ | = alternative parameter value

Terminology

This document uses “mainframe host” to refer to an IBM mainframe host, and uses “z/OS” or “mainframe” to refer to the IBM family of operating systems. Unless otherwise indicated, the operating system is z/OS.

Where to Get Help

For questions about technical support, call your local sales office or service provider.

If you have a valid EMC service contract, contact EMC Customer Service at:

United States: (800) 782-4362 (SVC-4EMC)

Canada: (800) 543-4782 (543-4SVC)

Worldwide: (508) 497-7901

Follow the voice menu prompts to open a service call, and select the applicable product support.

Sales and Customer Service Contacts

For the list of EMC sales locations, please access the EMC home page at:

<http://www.emc.com/contact/>

For additional information on the EMC products and services available to customers and partners, refer to the EMC Powerlink Web site at:

<http://powerlink.emc.com>

Your Comments

Your suggestions will help us continue to improve the accuracy, organization, and overall quality of the user publications. Please send a message to **techpub_comments@emc.com** with your opinions of this guide.

Your technical enhancement suggestions for future development consideration are welcome. To send a suggestion, log on to **<http://powerlink.emc.com>**, follow the path **Support, Contact Support**, and choose **Software Product Enhancement Request** from the Subject menu.

Host Component Message Formats

This chapter contains a description of the message format for messages located in Chapter 2. The topic is:

- ◆ Message Format1-2

Message Format

The SRDF[®] Host Component message format is:

EMCxxyyz

Where:

xx = message ID

yy = message number

z = message class:

I (Informational)

R (Reply)

W (Warning)

E (Error)

The messages in Chapter 2 use the following symbols:

<i>count</i>	A whole number in decimal format
<i>cuu</i>	z/OS device number
<i>dev#</i>	Symmetrix [®] device number
<i>p3</i>	dev# (optional for use of an #SC command)
R1	Source volume
R2	Target volume
<i>RAdir#</i>	Remote Link Director number

Host Component Messages

This chapter lists the messages reported by the SRDF Host Component, the reason for the message, and the recommended user action.

Important: You may also receive messages from SWAP services and its underlying S/DAS component. Refer to *ESWPnnnC* on page 2-169 for more information about these messages.

Cause and Action

This section describes and lists the messages reported by the SRDF Host Component, the reason for the message, and the recommended user action.

For TimeFinder messages, refer to the *TimeFinder/Mirror for z/OS Message and Code Guide*.

BCVM031R FULL RESTORE DEVICE CUU, REPLY Y TO PROCEED OR N TO FAIL

Cause: An #SC BCV, cuus, cuup, RESTORE, VERIFY(VOLSER) command was entered.

Action: Reply as directed.

BCVM035R PARTIAL RESTORE FROM BCV CUU, REPLY Y TO RESTORE OR N TO FAIL

Cause: An #SC BCV, cuus, RESTORE or #SC BCV, cuus-cuus, RESTORE command was entered.

Action: Reply as directed.

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.

Action: Save the Dump information and contact the EMC Customer Support Center for technical assistance.

EMC9912I DEBUG MODE OFF

Cause: A DEBUG OFF command has been issued and the DEBUG diagnostics are now inactive.

Action: None.

EMC9998W

SSID *ssss* message, RPTD BY *rrrr*

SSID *ssss* RLD *ll* message, RPTD BY *rrrr*

SSID *ssss* DEV *ddd* message, RPTD BY *rrrr*

SSID *ssss* DEV *ddd* (count) message, RPTD BY *rrrr*

Cause: A SIM message was received from a Symmetrix unit.

Action: Issue an #SQ MSG,ALL command for further information about the error.

More Information: Refer to the #SQ MSG command description in the *SRDF Host Component Product Guide*.

EMCAL00E

RCVT FAILED VALIDATION. AN INTERNAL ALIAS TABLE NOT BUILT

Cause: ALIAS= was specified but the RCVT table ID is invalid.

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

- 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:** Contact the EMC Customer Support Center for technical assistance.
- EMCAL02E** EMCALIAS RETURN CODE=XXXXX, REASON CODE=XXXXX
- Cause:** Internal table ID failed validation.
- Action:** Contact the EMC Customer Support Center for technical assistance.
- 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.
- EMCCC21E** SCCNFG ACTION NOT FOUND
- Cause:** This message denotes an internal error in the SRDF Host Component.
- Action:** Contact the EMC Customer Support Center for technical assistance.
- EMCCC22E** SCCNFG RATE NOT FOUND
- Cause:** This message denotes an internal error in the SRDF Host Component.
- Action:** Contact the EMC Customer Support Center for technical assistance.
- EMCCC23E** ADCOPY_MAX_SKEW NOT SUPPORTED AT THIS MICROCODE LEVEL
- Cause:** An #SC CNFG, cuu, ADCOPY_MAX_SKEW command was issued for a Symmetrix unit that was at Enginuity level 5061 or higher.
- 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 Symmetrix controller is at an Engenuity level other than 5060.

Action: Use the #SC VOL, cuu, ADCOPY_RATE command 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 controller that has at least one RDFGRP that has SYNCH_DIRECTION set at the RDFGRP level. This message is issued listing all RDFGRPs that meet this condition.

Action: If you want the current command to change the entire controller, then issue an #SC RDFGRP, dddd, xx, SYNCH_DIRECTION, CNFG command for each RDFGRP listed in the message. If you want the current command to not change the SYNCH_DIRECTION for RDFGRP xx, ignore this message.

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 re-enter 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 either "xxCONTINUE" or "xxCANCEL."

- 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 #. Check the SYSLOG for previously issued #SC LINK commands. If the problem persists, contact the EMC Customer Support Center for technical assistance.
- EMCCL07E** NO LINK DIRECTORS FOUND, REQUEST ABORTED
- Cause:** An #SC LINK, cuu command was specified, but no remote link directors were found.
- Action:** Respecify the command to an SRDF controller.
- 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 EMC Customer Support Center for technical assistance.
- 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 resubmit the purged commands.
- EMCCR01E** SC(ONFIG) RDFGRP, INVALID RDFGRP, MUST BE A VALID RDFGRP ON A FIBER RA
- Cause:** An #SC RDFGRP, p1, p2, p3 command was issued with specified p1=cuu, p2=State (Online/Offline), and p3=RAGROUP# parameters. The specified p3 is not a valid fiber RA.
- Action:** Specify a valid fiber RA when issuing the #SC RDFGRP command.

EMCCR02E SC(ONFIG) RDFGRP, ACTION MUST BE ONLINE OR OFFLINE

Cause: An #SC RDFGRP,p1,p2,p3 command was issued with specified p1=cuu,p2=State (Online/Offline), and p3=RAGROUP# parameters. The specified p2 is not a valid state.

Action: Specify a valid state of Online or Offline when issuing the #SC RDFGRP command.

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=RAGROUP# parameters. The specified p2 is requesting a state change to a state that the RAGROUP# is already in.

Action: Issue an #SQ RDFGRP,cuu command to determine the current status of the RAGROUP#.

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=RAGROUP# parameters. The specified p2 is requesting a state change to the state that the RAGROUP# is already in.

Action: Issue a #SQ RDFGRP,cuu command to determine the current status of the RAGROUP#.

EMCCR05E SC(ONFIG) RDFGRP PARAMETER ERROR

Cause: An #SC RDFGRP,p1,p2,p3 command was issued with specified p1=cuu,p2=State (Online/Offline), and p3=RAGROUP# parameters. The specified parameters are invalid.

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

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=RAGROUP# parameters.

Action: Reply either "xxCONTINUE" or "xxCANCEL."

- 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# IS 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.
- EMCCR20E** SRDFA COMMAND NEEDS TO BE ISSUED ON PRIMARY SIDE
- Cause:** An attempt was made to issue an SRDF/Asynchronous (SRDF/A) command on the secondary side, but the command can only be run on the primary side.
- Action:** Run the command again from the primary side.
- EMCCR21E** SRDFA COMMAND NEEDS TO BE ISSUED ON SECONDARY SIDE
- Cause:** An attempt was made to issue an SRDF/A command on the primary side, but the command can only be run on the secondary side.
- Action:** Run the command again from the secondary side.
- EMCCR22E** SRDFA COMMAND MUST RUN FROM CLOSEST POINT
- Cause:** An SRDF/A command was attempted to be run remotely across an SRDF/A RDFGRP. The command must run to the shortest hop. The command cannot be run on the far side of the SRDF/A session.
- Action:** Run the command again using the shortest hop list.
- EMCCR23E** SRDFA DROP COMMAND CANNOT RUN SINCE SRDFA IS NOT ACTIVE
- Cause:** An SRDF/A DROP command was attempted that can only be run when SRDF/A is active.
- Action:** Run the command again after SRDF/A is active.

EMCCR24E SRDFA PEND_DEACT COMMAND CANNOT RUN SINCE SRDFA IS NOT ACTIVE

Cause: An SRDF/A PEND_DEACT command was attempted that can only be run when SRDF/A is active.

Action: Run the command again after SRDF/A is active.

EMCCR25E SRDFA PEND_DROP COMMAND CANNOT RUN SINCE SRDFA IS NOT ACTIVE

Cause: An SRDF/A PEND_DROP command was attempted that can only be run when SRDF/A is active.

Action: Run the command again after SRDF/A is active.

EMCCR26E SRDFA SUSPEND COMMAND CANNOT RUN SINCE SRDFA IS NOT ACTIVE

Cause: An SRDF/A SUSPEND command was attempted that can only be run when SRDF/A is active.

Action: Run the command again after SRDF/A is active.

EMCCR27E SRDFA SUSPEND COMMAND CANNOT RUN SINCE SRDFA 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 SRDFA RESUME COMMAND CANNOT RUN SINCE SRDFA IS NOT ACTIVE

Cause: An SRDF/A RESUME command was attempted, but SRDF/A is not active.

Action: Only run the RESUME command when SRDF/A is both active and suspended.

EMCCR29E SRDFA RESUME COMMAND CANNOT RUN SINCE SRDFA IS NOT SUSPENDED

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.

- EMCCR30E** SRDFA ACT COMMAND CANNOT RUN SINCE SRDFA 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** SRDFA cmd COMMAND CANNOT RUN SINCE SOME SRDFA DEVICES ARE TGT-NRDY
- Where cmd can be ACT or TOL_ON.
- Cause:** An SRDF / A command was attempted that requires all devices ready on the link.
- Action:** Run the command again when all devices are ready on the link.
- EMCCR32I** WAITING SINCE SRDFA CLEANUP IS RUNNING
- Cause:** When SRDFA 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 SRDFA has been running in MSC. If SRDFA has been running in MSC and Host Intervention is required, then cleanup can last until the Host intervenes.
- When SRDFA is in cleanup, 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 cccccccc COMMAND CANNOT RUN SINCE DEVICE dddd IS AN IN USE BCV
- Cause:** A SC SRDFA command ccccccc has been issued to a RDFGRP that has at least one device dddd that is currently being used as a BCV and therefore cannot be used as a RDF device.
- Action:** In order to issue the command ccccccc, you need to have only RDF devices in the RDFGRP. Split all RDF devices that are currently being used as BCVs and re-issue the command.

- EMCCR34E** SRDFA cccccccc COMMAND CANNOT RUN SINCE DEVICE dddd IS IN A CONGROUP
- Cause:** A SC SRDFA command cccccccc has been issued to a RDFGRP that has at least one device dddd belonging to a Consistency Group.
- Action:** Remove the device dddd from the Consistency Group and re-issue the command.
- EMCCR3ER** MS_DISCARD REQUESTED TO SRDFA FOR 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 SRDFA FOR 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.
- EMCCR4BR** MS_ON REQUESTED TO SRDFA FOR 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 SRDFA FOR 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 SRDFA FOR 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 SRDFA FOR 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 SRDFA FOR 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.
- EMCCR41R** DROP REQUESTED TO SRDFA FOR 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 SRDFA FOR 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 SRDFA FOR 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 SRDFA FOR 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 SRDFA FOR 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 SRDFA FOR serial# REPLY
CONTINUE TO PROCEED OR CANCEL TO TERMINATE
- Cause:** A SRDF 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 SRDFA FOR 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 SRDFA FOR 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 SRDFA FOR 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.
- EMCCR50E** INCORRECT DYNAMIC GROUP FLAGS
- Cause:** An #SC RDFGRP command was issued to add or modify a dynamic RDF group, and an invalid flag setting was specified.
- Action:** Reissue the command with the correct flag settings. Review the *SRDF Host Component Product Guide* for the flag settings that can be specified for ADD or MODIFY.
- EMCCR51E** SC(ONFIG) RDFGRP parameter NOT VALID FOR action
- Cause:** An #SC RDFGRP command was requested but a specified command parameter (parameter) is not valid for the specified action (action).
- Action:** Review the #SC RDFGRP command in the product guide and re-issue the command with valid parameters for the specified action.
- 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 product guide and re-issue the command with valid parameters.

- EMCCR53E** SC(ONFIG) RDFGRP parameter DUPLICATE PARAMETER
- Cause:** An #SC RDFGRP command was requested but the listed parameter was specified more than once in the command.
- Action:** Review the #SC RDFGRP command in the product guide and re-issue the command with valid parameters.
- 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 product guide and re-issue the command with the required parameters.
- EMCCR55E** SRDFA cccccccc COMMAND CANNOT RUN SINCE NOT ALL
DEVICES ARE NOT SAME TYPE
- Cause:** An #SC SRDFA command cccccccc has been issued to a RDGGRP that has both R1 and R2 devices in the RDFGRP.
- Action:** Using Dynamic RDF commands, you can change device characteristics such that all devices in the RDGGRP are either R1 or R2. After changing device characteristics, you can then re-issue the command.
- EMCCR56R** DEACT_TO_ADCOPY FOR serial# REPLY CONTINUE TO
PROCEED OR CANCEL TO TERMINATE
- Cause:** An #SRDF/A DEACT_TO_ADCOPY command was attempted and the operator verify is on.
- Action:** Reply "continue" to allow the command to process or "cancel" to terminate the command.
- EMCCR57R** DEACT_TO_ADCOPY_DISK FOR serial# REPLY CONTINUE TO
PROCEED OR CANCEL TO TERMINATE
- Cause:** An #SRDF/A DEACT_TO_ADCOPY_DISK command was attempted and the operator verify is on.
- Action:** Reply "continue" to allow the command to process or "cancel" to terminate the command.

- EMCCR90R** SET_HOST_THROTTLE FOR 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 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 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 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 MICROCODE LEVEL
- Cause:** An SRDF/A command was issued to a Symmetrix where the minimum Enginuity code level 5x71 that is required is not on the Symmetrix.
- Action:** Upgrade the Enginuity code level to the minimum required level 5x71 or do not use this command.

- EMCCR95E** SRDFA cccccccc COMMAND CANNOT RUN SINCE SRDFA MSC IS ACTIVE
- Cause:** A command cccccccc is being issued that cannot be run while Multi-session consistency is running.
- Action:** Either take the SRDF / A RDFGRP out of MSC to use the command or do not use the command.
- EMCCR96I** SRDFA 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** SRDFA 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:** Please re-issue the command.
- EMCCR98E** SRDFA 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:** Please retry the command at a time when the load on the Symmetrix is lower.
- EMCCR99E** SRDFA CONS_DEACT COMMAND CANNOT RUN SINCE SRDFA IS NOT ACTIVE
- Cause:** The consistent deactivation SRDF / A command requires that SRDF / A be active before the command can be run.
- Action:** Activate SRDF / A and then issue the consistent deactivation.
- EMCCR9AE** SRDFA COMMAND CANNOT RUN SINCE SRDFA IS NOT ACTIVE
- Cause:** The SRDF / A 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.

- EMCCR9BE** SRDFA ACT COMMAND CANNOT RUN - ONLY ONE SRDF/A RDFGRP PER DEVICE
- Cause:** An #SRDFA ACT command was issue to a concurrent R1 device where the other RDFGRP on the R1 device is already SRDF/A Active.
- Action:** Remove the SRDF/A Active status from the other RDFGRP on the concurrent R1 before trying to make this RDFGRP SRDF/A Active.
- EMCCR9CE** SRDFA DEACT_TO_ADCOPY CMD CANNOT RUN SINCE SRDFA IS NOT ACTIVE
- Cause:** The #SRDFA DEACT_TO_ADCOPY 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.
- EMCCR9DE** SRDFA DEACT_TO_ADCOPY_DISK CANNOT RUN SINCE SRDFA IS NOT ACTIVE
- 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.
- EMCCR10I** STARTING WAIT FOR SRDFA 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 SRDFA CYCLE SWITCH
- Cause:** The SRDF/A PEND_DEACT or PEND_DROP command was issued and the code is finished waiting for the cycle switch before completion of the command.
- Action:** None.

EMCCR12I SRDFA COMMAND COMPLETION RETRY

Cause: An SRDF/A command was issued and the code has detected that the action has not completed. The code will retry the command.

Action: None.

EMCCR4AR CLR_PR REQUESTED TO SRDFA FOR 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.

EMCCR60E DYNAMIC GROUP *action* SYSCALL xxxx FAILED
CODE=YYYYYY

action is one of the following: ADD, MODIFY, or DELETE

Cause: The request to the Symmetrix to obtain or alter dynamic group information failed.

Action: Report this message to EMC Technical Support.

EMCCR61E DYNAMIC GROUP REQUEST ERROR: *text*

The following table lists the various *text* displays and corresponding format numbers. Causes and actions for each format are provided following the table.

Format 1	REMOVE ALL DIRS ON ONE SIDE
Format 2	DEFAULT LABEL NOT ALLOWED
Format 3	ILLEGAL LCL GROUP #
Format 4	ILLEGAL RMT GROUP #
Format 5	LCL DIRECTOR(S) OFFLINE (##,##,##...)
Format 6	RMT DIRECTOR(S) OFFLINE (##,##,##...)
Format 7	LCL NON SWITCHED DIRECTORS (##,##,##...)
Format 8	RMT NON SWITCHED DIRECTORS (##,##,##...)
Format 9	LCL GROUP ALREADY DEFINED
Format 10	RMT GROUP ALREADY DEFINED

Format 11	GROUP NOT DEFINED
Format 12	ENGINEUITY LEVEL TOO LOW
Format 13	GROUP IS STATIC
Format 14	RMT SERIAL MATCHES LCL SERIAL
Format 15	LCL DIRECTOR(S) AT MAX GRP (<LIST OF DIRECTORS>)
Format 16	RMT DIRECTOR(S) AT MAX GRP (<LIST OF DIRECTORS>)

Format 1:

EMCCR61E DYNAMIC GROUP REQUEST ERROR: REMOVE ALL
DIRS ON ONE SIDE

Cause: This message indicates that the dynamic group request was not attempted because of an error in the specification. Request to remove all directors on either the remote or local Symmetrix. A group must have at least one director on each side.

Action: Correct the indicated error and re-issue the command.

Format 2:

EMCCR61E DYNAMIC GROUP REQUEST ERROR: DEFAULT LABEL
NOT ALLOWED

Cause: This message indicates that the dynamic group request was not attempted because of an error in the specification. Request to add a group with a label of RDFDVGROUP. This is a reserved group name, and cannot be assigned to a dynamic group.

Action: Correct the indicated error and re-issue the command.

Format 3:

EMCCR61E DYNAMIC GROUP REQUEST ERROR: ILLEGAL LCL
GROUP #

Cause: This message indicates that the dynamic group request was not attempted because of an error in the specification. The local group # is illegal; group numbers are hex values in the range of 00 to 3F.

Action: Correct the indicated error and re-issue the command.

Format 4:

EMCCR61E DYNAMIC GROUP REQUEST ERROR: ILLEGAL RMT
GROUP #

Cause: This message indicates the dynamic group request was not attempted because of an error in the specification. The remote group # is illegal; group numbers are hex values in the range of 00 to 3F.

Action: Correct the indicated error and re-issue the command.

Format 5:

EMCCR61E DYNAMIC GROUP REQUEST ERROR: LCL
DIRECTOR(S) OFFLINE (##,##,##...)

Cause: This message indicates that the dynamic group request was not attempted because of an error in the specification. The listed local directors are offline.

Action: Correct the indicated error and re-issue the command.

Format 6:

EMCCR61E DYNAMIC GROUP REQUEST ERROR: RMT
DIRECTOR(S) OFFLINE (##,##,##...)

Cause: This message indicates that the dynamic group request was not attempted because of an error in the specification. The listed remote directors are offline.

Action: Correct the indicated error, and re-issue the command.

Format 7:

EMCCR61E DYNAMIC GROUP REQUEST ERROR: LCL NON
SWITCHED DIRECTORS (##,##,##...)

Cause: This message indicates that the dynamic group request was not attempted because of an error in the specification. The listed local directors are not switched fiber.

Action: Correct the indicated error and re-issue the command.

Format 8:

EMCCR61E DYNAMIC GROUP REQUEST ERROR: RMT NON
SWITCHED DIRECTORS (##,##,##...)

Cause: This message indicates that the dynamic group request was not attempted because of an error in the specification. The listed remote directors are not switched fiber.

Action: Correct the indicated error and re-issue the command.

Format 9:

EMCCR61E DYNAMIC GROUP REQUEST ERROR: LCL GROUP
ALREADY DEFINED

Cause: This message indicates that the dynamic group request was not attempted because of an error in the specification. For an add request, the Local group is already defined.

Action: Correct the indicated error and re-issue the command.

Format 10:

EMCCR61E DYNAMIC GROUP REQUEST ERROR: RMT GROUP
ALREADY DEFINED

Cause: This message indicates that the dynamic group request was not attempted because of an error in the specification. For an add request, the Remote group is already defined.

Action: Correct the indicated error and re-issue the command.

Format 11:

EMCCR61E DYNAMIC GROUP REQUEST ERROR: GROUP NOT
DEFINED

Cause: This message indicates that the dynamic group request was not attempted because of an error in the specification.

Action: Correct the indicated error and re-issue the command. For a modify or delete request, the group does not exist.

Format 12:

EMCCR61E DYNAMIC GROUP REQUEST ERROR: ENGINUITY
LEVEL TOO LOW

Cause: A dynamic RDF group action was requested but the SymmetrixEnginuitylevel wastoolow to support dynamicRDF.

Action: Contact EMC Customer Support to upgrade your Enginuity level.

Format 13:

EMCCR61E DYNAMIC GROUP REQUEST ERROR: GROUP IS
STATIC

Cause: A dynamic RDF group action was requested but the group is a static group.

Action: Issue an SQ RDFGROUP command to display which groups are static and which are dynamic.

Format 14:

EMCCR61E DYNAMIC GROUP REQUEST ERROR: RMT SERIAL
MATCHES LCL SERIAL

Cause: A dynamic RDF group action was requested but the RSER value specified is the same as the serial# for the local Symmetrix.

Action: Re-issue the command specifying the RSER value for the remote Symmetrix.

Format 15:

EMCCR61E DYNAMIC GROUP REQUEST ERROR: LCL
DIRECTOR(S) AT MAX GRP (<LIST OF DIRECTORS>)

Cause: A dynamic RDF group action was requested but the action would cause the local directors listed to appear in more than the maximum allowed number of groups.

Action: Remove the listed directors from other groups, or select other directors to be added to this group.

Format 16:

EMCCR61E DYNAMIC GROUP REQUEST ERROR: RMT
DIRECTOR(S) AT MAX GRP (<LIST OF DIRECTORS>)

Cause: A dynamic RDF Group action was requested but the action would cause the remote directors listed to appear in more than the maximum allowed number of groups.

Action: Remove the listed directors from other groups, or select other directors to be added to this group.

EMCCR62E DYNAMIC GROUP LICENSE ERROR

Cause: A dynamic RDF Group request was entered, but the required License Feature Code was not found.

Action: Contact your EMC Sales and Support representative for information about this feature.

EMCCR63E DYNAMIC GROUP *action* FAILED FROM *location* SIDE:
text

location is LCL for the local Symmetrix or RMT for the remote Symmetrix.

Action is one of the following: ADD, MODIFY, or DELETE

The following table lists the various *text* displays and corresponding format numbers. Causes and actions for each format are provided following the table.

Format 1	NOT SWITCHED DYNAMIC
Format 2	GROUP IS STATIC
Format 3	LABEL IN USE
Format 4	RMT BOX OTHER SN MISMATCH
Format 5	LCL MIXED DIRTYPE NOT ALLOWED
Format 6	DYN GRP ALREADY IN PROGRESS
Format 7	IML RUNNING
Format 8	REMOTE BOX NOT FOUND
Format 9	CONNECTION TIMEOUT
Format 10	DYNAMIC REQUEST CANCELLED
Format 11	DYNAMIC GROUP TABLES CORRUPTED
Format 12	CONNECTION REJECTED
Format 13	ENGUITY ERROR
Format 14	RC = 000x00yy
Format 15	NON DYNRDF DIRECTORS
Format 16	GROUP NOT EMPTY
Format 17	COMMAND TIMEOUT
Format 18	NON ONLINE DIRECTOR
Format 19	NON SWITCHED DIRECTOR
Format 20	ILLEGAL LOCAL GROUP
Format 21	ILLEGAL REMOTE GROUP
Format 22	DEFAULT LABEL NOT ALLOWED
Format 23	DEL NOT ON TWO SIDES
Format 24	MISMATCHED GROUP PARMS
Format 25	LCL & RMT PARMS DON'T MATCH

Format 26	ILLEGAL CONFIG FLAGS
Format 27	CONFLICTING CONFIG FLAGS
Format 28	INVALID GIGE ANCHOR
Format 29	GIGE ANCHOR NOT SPECIFIED
Format 30	FLAGS CONFLICT WITH DIR TYPE
Format 31	ILLEGAL LOCAL GRP PARMS
Format 32	ILLEGAL REMOTE GRP PARMS
Format 33	MODIFY NOT ON AFFECTED DIR
Format 34	GIGE DIR NOT IN IP TABLE
Format 35	GIGE ANCHOR NOT IN IP TABLE
Format 36	ALL GROUPS USED
Format 37	ILLEGAL LINK TIMEOUT VALUE

Format 1:

EMCCR63E DYNAMIC GROUP *action* FAILED FROM *location*
SIDE: NOT SWITCHED DYNAMIC

Cause: This message indicates that the dynamic group request was attempted but failed. The Symmetrix is not configured for Switched & Dynamic RDF.

Action: Contact EMC Technical support for assistance.

Format 2:

EMCCR63E DYNAMIC GROUP *action* FAILED FROM *location*
SIDE: GROUP IS STATIC

Cause: This message indicates that the dynamic group request was attempted but failed. For Modify or Delete, the group specified is not a dynamic group.

Action: Select a dynamic group for the operation.

Format 3:

EMCCR63E DYNAMIC GROUP *action* FAILED FROM *location*
SIDE: LABEL IN USE

Cause: This message indicates that the dynamic group request was attempted but failed. For Add, the selected label is in use by another group. Labels for dynamic groups must be unique.

Action: Select another label name for the group.

Format 4:

EMCCR63E DYNAMIC GROUP *action* FAILED FROM *location*
SIDE: RMT BOX OTHER SN MISMATCH

Cause: This message indicates that the dynamic group request was attempted but failed. The Remote box - other box serial# does not match our serial #.

Action: Contact EMC Technical support for assistance.

Format 5:

EMCCR63E DYNAMIC GROUP *action* FAILED FROM *location*
SIDE: LCL MIXED DIRTYPE NOT ALLOWED

Cause: This message indicates that the dynamic group request was attempted but failed. The list of directors contains mixed director types.

Action: Select matching director types.

Format 6:

EMCCR63E DYNAMIC GROUP *action* FAILED FROM *location*
SIDE: DYN GRP ALREADY IN PROGRESS

Cause: This message indicates that the dynamic group request was attempted but failed. Dynamic RDF operations are already running. Only one dynamic RDF operation can be active on a Symmetrix at a time.

Action: Wait a while and then retry the request.

Format 7:

EMCCR63E DYNAMIC GROUP *action* FAILED FROM *location*
SIDE: IML RUNNING

Cause: This message indicates that the dynamic group request was attempted but failed. IML is running.

Action: Wait a while and then retry the request.

Format 8:

EMCCR63E DYNAMIC GROUP *action* FAILED FROM *location*
SIDE: REMOTE BOX NOT FOUND

Cause: This message indicates that the dynamic group request was attempted but failed. The Symmetrix identified by the RSER parameter was not found. There must be a link between the local and remote box for Dynamic RDF operations to be successful.

Action: Verify that you have selected the correct local and remote Symmetrix boxes.

Format 9:

EMCCR63E DYNAMIC GROUP *action* FAILED FROM *location*
SIDE: CONNECTION TIMEOUT

Cause: This message indicates that the dynamic group request was attempted but failed. The connection request between the local and remote Symmetrix boxes timed out.

Action: Contact EMC Technical support for assistance.

Format 10:

EMCCR63E DYNAMIC GROUP *action* FAILED FROM *location*
SIDE: DYNAMIC REQUEST CANCELED

Cause: This message indicates that the dynamic group request was attempted but failed. Due to other actions on the Symmetrix, the Dynamic Group request was canceled.

Action: Contact EMC Technical support for assistance.

Format 11:

EMCCR63E DYNAMIC GROUP *action* FAILED FROM *location*
SIDE: DYNAMIC GROUP TABLES CORRUPTED

Cause: This message indicates that the dynamic group request was attempted but failed. The internal tables in the Symmetrix have been corrupted.

Action: Contact EMC Technical support for assistance.

Format 12:

EMCCR63E DYNAMIC GROUP action FAILED FROM location
SIDE: CONNECTION REJECTED

Cause: This message indicates that the dynamic group request was attempted but failed. The connection request between the local and remote Symmetrix boxes was rejected.

Action: Contact EMC Technical support for assistance.

Format 13:

EMCCR63E DYNAMIC GROUP action FAILED FROM location
SIDE: ENGINUITY ERROR

Cause: This message indicates that the dynamic group request was attempted but failed. An internal Enginuity error occurred.

Action: Contact EMC Technical support for assistance.

Format 14:

EMCCR63E DYNAMIC GROUP action FAILED FROM location
SIDE: RC = 000x00yy

Cause: This message indicates that the dynamic group request was attempted but failed. An error other than those listed above occurred.

Action: Contact EMC Technical support for assistance.

Format 15:

EMCCR63E DYNAMIC GROUP <ACTION> FAILED FROM <LOC>
SIDE: NON DYNRDF DIRECTORS

Cause: A dynamic RDF group action was requested but the director list contains non-dynamic RDF directors.

Action: Correct the LDIR or RDIR specification and retry the request.

Format 16:

EMCCR63E DYNAMIC GROUP <ACTION> FAILED FROM <LOC>
SIDE: GROUP NOT EMPTY

Cause: A dynamic RDF group delete was requested but the group is not empty.

Action: All RDF pairs in the group must be deleted before the group can be deleted.

Format 17:

EMCCR63E DYNAMIC GROUP <ACTION> FAILED FROM <LOC>
SIDE: COMMAND TIMEOUT

Cause: A dynamic RDF group action was requested but the action did not complete within the expected time.

Action: Issue an #SQ RDFGRP command with the all or RA(GP#) OPTION. If the desired directors do not appear, then retry the command.

Format 18:

EMCCR63E DYNAMIC GROUP <ACTION> FAILED FROM <LOC>
SIDE: NON ONLINE DIRECTOR

Cause: A dynamic RDF group action was requested but a director specified was not online.

Action: Use the #SC LINK command to put the director online and retry the command.

Format 19:

EMCCR63E DYNAMIC GROUP <ACTION> FAILED FROM <LOC>
SIDE: NON SWITCHED DIRECTOR

Cause: A dynamic RDF group action was requested but a director specified was not switched.

Action: Re-issue the command specifying a switched director.

Format 20:

EMCCR63E DYNAMIC GROUP <ACTION> FAILED FROM <LOC>
SIDE: ILLEGAL LOCAL GROUP '

Cause: A dynamic RDF group action failed because Host Component passed a bad local group # to Symmetrix.

Action: Check the local group specification and retry the command. If this failure persists, contact the EMC Customer Support Center for technical assistance.

Format 21:

EMCCR63E DYNAMIC GROUP <ACTION> FAILED FROM <LOC>
SIDE: ILLEGAL REMOTE GROUP '

Cause: A dynamic RDF group action failed because Host Component passed a bad remote group # to Symmetrix.

Action: Check the remote group specification and retry the command. If this failure persists, contact the EMC Customer Support Center for technical assistance.

Format 22:

EMCCR63E DYNAMIC GROUP <ACTION> FAILED FROM <LOC>
SIDE: DEFAULT LABEL NOT ALLOWED '

Cause: A dynamic RDF group action failed because LABEL(RDFDVGROU), which is the default label for static groups, was specified. This label is not allowed for dynamic RDF groups.

Action: Select another label and re-enter the command

Format 23:

EMCCR63E DYNAMIC GROUP <ACTION> FAILED FROM <LOC>
SIDE: DEL NOT ON TWO SIDES '

Cause: A dynamic RDF group action failed because Host Component attempted to delete the group info on only one side. This is not supported.

Action: Check the command specification and retry the command. If this failure persists, contact the EMC Customer Support Center for technical assistance.

Format 24:

EMCCR63E DYNAMIC GROUP <ACTION> FAILED FROM <LOC>
SIDE: MISMATCHED GROUP PARMS '

Cause: A dynamic RDF group action failed because Host Component passed bad group parameters to Symmetrix.

Action: Check the command specification and retry the command. If this failure persists, contact the EMC Customer Support Center for technical assistance.

Format 25:

EMCCR63E DYNAMIC GROUP <ACTION> FAILED FROM <LOC>
SIDE: LCL & RMT PARMS DON'T MATCH'

Cause: A dynamic RDF group action failed because Host Component passed inconsistent local and remote group parameters to Symmetrix.

Action: Check the command specification and retry the command. If this failure persists, contact the EMC Customer Support Center for technical assistance.

Format 26:

EMCCR63E DYNAMIC GROUP <ACTION> FAILED FROM <LOC>
SIDE: ILLEGAL CONFIG FLAGS'

Cause: A dynamic RDF group action failed because Host Component passed bad group parameters to Symmetrix.

Action: Check the command specification and retry the command. If this failure persists, contact the EMC Customer Support Center for technical assistance.

Format 27:

EMCCR63E DYNAMIC GROUP <ACTION> FAILED FROM <LOC>
SIDE: CONFLICTING CONFIG FLAGS'

Cause: A dynamic RDF group action failed because Host Component passed bad group parameters to Symmetrix.

Action: Check the command specification and retry the command. If this failure persists, contact the EMC Customer Support Center for technical assistance.

Format 28:

EMCCR63E DYNAMIC GROUP <ACTION> FAILED FROM <LOC>
SIDE: INVALID GIGE ANCHOR'

Cause: A dynamic RDF group action failed because Host Component passed a bad GIGE anchor director # to Symmetrix.

Action: Check the command specification and retry the command. If this failure persists, contact the EMC Customer Support Center for technical assistance.

Format 29:

EMCCR63E DYNAMIC GROUP <ACTION> FAILED FROM <LOC>
SIDE: GIGE ANCHOR NOT SPECIFIED'

Cause: A dynamic RDF group action failed because Host Component failed to pass a GIGE anchor director # to Symmetrix.

Action: Check the command specification and retry the command. If this failure persists, contact the EMC Customer Support Center for technical assistance.

Format 30:

EMCCR63E DYNAMIC GROUP <ACTION> FAILED FROM <LOC>
SIDE: FLAGS CONFLICT WITH DIR TYPE'

Cause: A dynamic RDF group action failed because Host Component passed bad group parameters to Symmetrix.

Action: Check the command specification and retry the command. If this failure persists, contact the EMC Customer Support Center for technical assistance.

Format 31:

EMCCR63E DYNAMIC GROUP <ACTION> FAILED FROM <LOC>
SIDE: ILLEGAL LOCAL GRP PARMS'

Cause: A dynamic RDF group action failed because Host Component passed bad group parameters to Symmetrix.

Action: Check the command specification and retry the command. If this failure persists, contact the EMC Customer Support Center for technical assistance.

Format 32:

EMCCR63E DYNAMIC GROUP <ACTION> FAILED FROM <LOC>
SIDE: ILLEGAL REMOTE GRP PARMS'

Cause: A dynamic RDF group action failed because Host Component passed bad group parameters to Symmetrix.

Action: Check the command specification and retry the command. If this failure persists, contact the EMC Customer Support Center for technical assistance.

Format 33:

EMCCR63E DYNAMIC GROUP <ACTION> FAILED FROM <LOC>
SIDE: MODIFY NOT ON AFFECTED DIR '

Cause: A dynamic RDF group action failed because Host Component attempted to run the action on a director that is not part of the group.

Action: Check the command specification and retry the command. If this failure persists, contact the EMC Customer Support Center for technical assistance.

Format 34:

EMCCR63E DYNAMIC GROUP <ACTION> FAILED FROM <LOC>
SIDE: GIGE DIR NOT IN IP TABLE '

Cause: A dynamic RDF group action failed because the GIGE directors are not accessible through the network.

Action: Check the network connecting the GIGE directors. Check the command specification and retry the command. If this failure persists, contact the EMC Customer Support Center for technical assistance.

Format 35:

EMCCR63E DYNAMIC GROUP <ACTION> FAILED FROM <LOC>
SIDE: GIGE ANCHOR NOT IN IP TABLE '

Cause: A dynamic RDF group action failed because the GIGE directors are not accessible through the network.

Action: Check the network connecting the GIGE directors. Check the command specification and retry the command. If this failure persists, contact the EMC Customer Support Center for technical assistance.

Format 36:

EMCCR63E DYNAMIC GROUP <ACTION> FAILED FROM <LOC>
SIDE: ALL GROUPS USED '

Cause: A dynamic RDF group ADD action failed because all group #'s are in use.

Action: Issue an #SQ RDFGRP,cuu, ALL command to display the groups in use. Delete an empty group and retry the command.

Format 37:

EMCCR63E DYNAMIC GROUP <ACTION> FAILED FROM <LOC>
SIDE: ILLEGAL LINK TIMEOUT VALUE '

Cause: A dynamic RDF group action failed because Host Component passed bad group parameters to Symmetrix.

Action: Check the command specification and retry the command. If this failure persists, contact the EMC Customer Support Center for technical assistance.

EMCCR70E SRDFA MS_ON COMMAND CANNOT RUN SINCE SRDFA IS NOT ACTIVE

Cause: An SRDF/A MS_ON command was attempted but the pre-requisite of SRDFA being active is not true.

Action: Make SRDF/A active and issue the command again.

EMCCR71E SRDFA MS_ON COMMAND CANNOT RUN SINCE SRDFA MSC IS ACTIVE

Cause: An SRDF/A MS_ON command was attempted but the SRDFA session was already running in MSC.

Action: None.

EMCCR72E SRDFA MS_OFF COMMAND CANNOT RUN SINCE SRDFA IS NOT ACTIVE

Cause: An SRDF/A MS_OFF command was attempted but the pre-requisite of SRDFA being active is not true.

Action: Make SRDF/A active and issue the command again.

EMCCR73E SRDFA MS_OFF COMMAND CANNOT RUN SINCE SRDFA MSC IS ACTIVE

Cause: An SRDF/A MS_OFF command was attempted but the SRDFA session was not running in MSC.

Action: None.

EMCCR74E SRDFA MS_OPEN_W COMMAND CANNOT RUN SINCE SRDFA IS NOT ACTIVE

Cause: An SRDF/A MS_OPEN_W command was attempted but the pre-requisite of SRDFA being active is not true.

Action: Make SRDF/A active and issue the command again.

- EMCCR75E** SRDFA MS_OPEN_W COMMAND CANNOT RUN SINCE SRDFA MSC IS ACTIVE
- Cause:** An SRDF/A MS_OPEN_W command was attempted but the SRDFA session was not running in MSC.
- Action:** None.
- EMCCR76E** SRDFA MS_CLOSE_W COMMAND CANNOT RUN SINCE SRDFA IS NOT ACTIVE
- Cause:** An SRDF/A MS_CLOSE_W command was attempted but the pre-requisite of SRDFA being active is not true.
- Action:** Make SRDF/A active and issue the command again.
- EMCCR77E** SRDFA MS_CLOSE_W COMMAND CANNOT RUN SINCE SRDFA MSC IS ACTIVE
- Cause:** An SRDF/A MS_CLOSE_W command was attempted but the SRDFA session was not running in MSC.
- Action:** None.
- EMCCR78E** SRDFA MS_CYCLE_SW COMMAND CANNOT RUN SINCE SRDFA IS NOT ACTIVE
- Cause:** An SRDF/A MS_CYCLE_SW command was attempted but the pre-requisite of SRDFA being active is not true.
- Action:** Make SRDF/A active and issue the command again.
- EMCCR79E** SRDFA MS_CYCLE_SW COMMAND CANNOT RUN SINCE SRDFA MSC IS ACTIVE
- Cause:** An SRDF/A MS_CYCLE_SW command was attempted but the SRDFA session was not running in MSC.
- Action:** None.
- EMCCR80E** SRDFA MS_DISCARD COMMAND CANNOT RUN SINCE CLEANUP IS NOT RUNNING
- Cause:** The SRDF/A MS_DISCARD command is only used when SRDFA cleanup is running and Host Intervention Required is set on the secondary side.
- Action:** None.

- EMCCR81E** SRDFA MS_DISCARD COMMAND CANNOT RUN SINCE SRDFA MSC IS ACTIVE
- Cause:** An SRDF/ A MS_DISCARD command was attempted but the SRDFA session was not running in MSC.
- Action:** None.
- EMCCR82E** SRDFA MS_COMMIT COMMAND CANNOT RUN SINCE CLEANUP IS NOT RUNNING
- Cause:** The SRDF/ A MS_COMMIT command is only used when SRDFA cleanup is running and Host Intervention Required is set on the secondary side.
- Action:** None.
- EMCCR83E** SRDFA MS_COMMIT COMMAND CANNOT RUN SINCE SRDFA MSC IS ACTIVE
- Cause:** An SRDF/ A MS_COMMIT command was attempted but the SRDFA session was not running in MSC.
- Action:** None.
- EMCCR84E** SRDFA MS_COMMIT COMMAND CANNOT RUN SINCE HOST INTERVENTION IS NOT REQUIRED
- Cause:**An SRDF/ A MS_COMMIT command was attempted but the SRDFA session does not need Host Intervention.
- Action:** None.
- EMCCR85E** SRDFA MS_DISCARD COMMAND CANNOT RUN SINCE HOST INTERVENTION IS NOT REQUIRED
- Cause:**An SRDF/ A MS_DISCARD command was attempted but the SRDFA session does not need Host Intervention.
- Action:** None.
- EMCCT00E** COMMAND SUBTASK ESTAE ROUTINE ENTERED
- Cause:** An abend occurred in the command subtask. The command is aborted.
- Action:** Contact the EMC Customer Support Center for technical assistance.

- EMCCV01R** SETTING R2 TO R/W, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
- Cause:** An #SC VOL,p1,p2,p3 command was issued with p1=cuu,p2=R/W parameters (change the R2 state to R/W). p3=dev# is optional.
- Action:** Reply either “xxCONTINUE” or “xxCANCEL.”
- EMCCV02R** SRDF SETTING R2 STATUS TO R/O, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
- Cause:** An #SC VOL,p1,p2,p3 command was issued with p1=cuu,p2=R/O parameters (change the R2 state to R/O). p3=dev# is optional.
- Action:** Reply either “xxCONTINUE” or “xxCANCEL.”
- EMCCV03R** SRDF SETTING R2 STATUS TO READY, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
- Cause:** An #SC VOL,p1,p2,p3 command was issued with p1=cuu and p2=RDY parameters (change the R2 state to READY). p3=dev# is optional.
- Action:** Reply either “xxCONTINUE” or “xxCANCEL.”
- EMCCV04R** SRDF SETTING R2 STATUS TO NOT READY, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
- Cause:** An #SC VOL,p1,p2,p3 command was issued with p1=cuu and p2=NRDY parameters (change the R2 state to NOT READY). p3=dev# is optional.
- Action:** Reply either “xxCONTINUE” or “xxCANCEL.”
- EMCCV05R** SRDF SETTING R1 TO SYNCHRONOUS MODE, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
- Cause:** An #SC VOL,p1,p2,p3 command was issued with p1=cuu and p2=SYNC parameters (change the R1 to synchronous mode). p3=dev# is optional.
- Action:** Reply either “xxCONTINUE” or “xxCANCEL.”

- EMCCV06R** SRDF SETTING R1 TO SEMI-SYNCHRONOUS MODE, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
- Cause:** An #SC VOL,p1,p2,p3 command was issued with p1=cuu and p2=SEMI-SYNC parameters (change the R1 to semi-synchronous mode). p3=dev# is optional.
- Action:** Reply either “xxCONTINUE” or “xxCANCEL.”
- EMCCV07R** SRDF SETTING R1 OR R2 TO READY, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
- Cause:** An #SC VOL,p1,p2,p3 command was issued to a range of devices with a p2=RDF-RDY parameter.
- Action:** Reply either “xxCONTINUE” or “xxCANCEL.”
- EMCCV08R** SRDF SETTING R1 OR R2 TO NOT READY, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
- Cause:** An #SC VOL,p1,p2,p3 command was issued to a range of devices with a p2=RDF-NRDY parameter.
- Action:** Reply either “xxCONTINUE” or “xxCANCEL.”
- EMCCV09R** SRDF SETTING R1 TO DOMINO MODE, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
- Cause:** An #SC VOL,p1,p2,p3 command was issued with p1=cuu and p2=DOMINO parameters. p3=dev# is optional.
- Action:** Reply either “xxCONTINUE” or “xxCANCEL.”
- EMCCV10R** SRDF DISABLING DOMINO MODE ON R1, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
- Cause:** An #SC VOL,p1,p2,p3 command was issued with p1=cuu and DOMINO parameters. p3=dev# is optional.
- Action:** Reply either “xxCONTINUE” or “xxCANCEL.”
- EMCCV11E** DEVICE nnnn IS A CONCURRENT RDF R1 DEVICE - PLEASE SPECIFY A RDFGROUP
- Cause:** This message is issued anytime a command is to be issued to a concurrent R1 without using the LCL(DDDD,RAG) or RMT(DDDD,HHL,RAG) for the following actions:
- ADCOPY, ADCOPY-DISK NADCOPY, RDF-SUSP, RDF-RSUM, VALIDATE, INVALIDATE, REFRESH, and RFR-RSUM.

Action: Re-enter the command using the LCL (. . .) or RMT (. . .) format and include the ragroup#.

EMCCV13E RDFGROUP rdfgroup# INVALID FOR DEVICE sym-dev#

Cause: An #SC VOL command was specified with the LCL (. . .) or RMT (. . .) format and the ragroup# was not valid for the requested device.

Action: Re-enter the command specifying a valid ragroup#.

EMCCV14E DEVICE NUMBER OR RANGE NOT ALLOWED

Cause: An #SC VOL command was issued for a volume serial or group, and a Symmetrix 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 V, RMT (DDDD, MHL) command was issued where MHL is a multihop list that included a Symmetrix unit with an Engenuity level below 5x67.

Action: Change the command to use a different multihop list to get to the Symmetrix unit using Symmetrix units with an Engenuity level of 5x67 or higher.

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: Contact the EMC Customer Support Center for technical assistance.

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 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 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 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 HC task or a TimeFinder user.

Action: After device level lock 9 is released by its owner, re-issue the command.

EMCCV1BE DEVICES BYPASSED - OTHER PROCESS HAS DEVICE LOCK

Cause: Device level lock 15 is already owned. The owner is probably another SRDF HC task.

Action: After device level lock 15 is released by its owner, re-issue 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 re-issue the command.

- EMCCV20E** DEVICES MUST BE SUSPENDED
- Cause:** An #SC VOL command with a Dynamic RDF action code (SWAP | CREATEPAIR | DELETEPAIR) was issued, but one or more RDF pairs were not in an RDF_SUSPEND (TNR) state. This message is followed by a list of Symmetrix 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 retry the request.
- EMCCV21E** CONCURRENT RDF DEVICES NOT ALLOWED FOR DYNAMIC RDF
- Cause:** An #SC VOL command with a Dynamic RDF action code (SWAP | CREATEPAIR | DELETEPAIR) was issued, but one or more devices were part of a concurrent RDF set. That is, one of the devices was an R1 device that has two R2 mirrors, or one of the devices was an R2 device whose remote R1 has a second R2 remote mirror. This message is followed by a list of Symmetrix device numbers for which the message applies. If force was specified, processing proceeds, but the listed devices are excluded.
- Action:** Dynamic RDF actions are not allowed for concurrent RDF devices.
- EMCCV22E** DEVICES IN CONGROUP NOT ALLOWED FOR DYNAMIC RDF
- Cause:** An #SC VOL command with a Dynamic RDF 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 Symmetrix device numbers for which the message applies. If force was specified, processing proceeds, but the listed devices are excluded.
- Action:** Dynamic RDF actions are not allowed for concurrent RDF 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=cuu, p2=DOMINO, and p3=dev# (optional) parameters to change the attribute of the device to DOMINO.
- Action:** Issue an #SQ VOL, p1, p2, p3 command to ensure the device is not an R1 device. If it is, contact the EMC Customer Support Center for technical assistance.

- EMCCV24I** DEVICE IN NOT AN R1, NDOMINO IS INVALID FOR THIS DEVICE
- Cause:** An #SC VOL,p1,p2,p3 command was issued with p1=cuu,p2=NDOMINO, and p3=dev# (optional) parameters to change the attribute of the device to non-DOMINO.
- Action:** Issue an #SQ VOL,p1,p2,p3 command to ensure the device is not an R1 device. If it is, contact the 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 Symmetrix controller. Check the log and see if any other messages accompanied this one. If the problem persists, contact EMC Technical Support 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=cuu,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 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=cuu,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 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=cuu,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 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=cuu,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 EMC Customer Support
Center for technical assistance.
- EMCCV31I** DEVICE IS NOT AN R1, 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
suspend RDF pair 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 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=cuu,
p2=RDF-RSUM, and p3=dev# (optional) parameters to resume RDF
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 EMC Customer Support
Center for technical assistance.

- EMCCV33R** SRDF SETTING R1 TO ADAPTIVE COPY MODE, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
- Cause:** An #SC VOL,p1,p2,p3 command was issued with p1=cuu,p3=dev# (optional), and p2=ADCOPY parameters.
- Action:** Reply either “xxCONTINUE” or “xxCANCEL.”
- EMCCV34R** SRDF SETTING R1 TO NO ADAPTIVE COPY MODE, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
- Cause:** An #SC VOL,p1,p2,p3 command was issued with p1=cuu,p2=NADCOPY, and p3=dev# (optional) parameters.
- Action:** Reply either “xxCONTINUE” or “xxCANCEL.”
- EMCCV35R** The text for this message takes one of the following forms, depending on whether or not the ALL option was requested:
- SRDF SETTING [ALL] R1 DEVICES TO SUSPEND MODE, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
- SRDF SETTING R1 TO SUSPEND MODE, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
- Cause:** An #SC VOL,p1,p2,p3 command was issued with p1=cuu,p2=RDF-SUSP, and p3=dev# (optional) parameters.
- Action:** Reply either “xxCONTINUE” or “xxCANCEL.”
- EMCCV36R** The text for this message takes one of the following forms, depending on whether or not the ALL option was requested:
- SRDF SETTING [ALL] R1 DEVICES TO RESUME MODE, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
- SRDF SETTING R1 TO RESUME MODE, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
- Cause:** An #SC VOL,p1,p2,p3 command was issued with p1=cuu,p2=RDF-RSUM, and p3=dev# (optional) parameters.
- Action:** Reply either “xxCONTINUE” or “xxCANCEL.”

EMCCV37R SRDF VALIDATING ALL TRACKS ON R_n, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

The value of *n* can be either 1 or 2, and should reflect the value entered for SYNCH_DIRECTION.

Cause: An #SC VOL, p1, p2, p3 command was issued with p1=cuu, p2=VALIDATE, and p3=dev# (optional) parameters.

Action: Reply either “xxCONTINUE” or “xxCANCEL.”

EMCCV38R SRDF INVALIDATING ALL TRACKS ON R1 REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause: An #SC VOL, p1, p2, p3 command was issued with p1=cuu, p2=INVALIDATE, and p3=dev# (optional) parameters.

Action: Reply either “xxCONTINUE” or “xxCANCEL.”

EMCCV39R VERIFY REQUEST TO SWAP R1 AND R2 DEVICES

Cause: An #SC VOL command with a SWAP action code was issued, and operator verification is in effect.

Action: Reply “CONTINUE” to proceed with swap.

EMCCV3CE LOCAL DEVICES ARE IN ACTIVE STAR GROUP

Cause: An #SC VOL command was entered with a CREATEPAIR, DELETEPAIR, or SWAP action, and the local devices are in an SRDF/Star group. The STAR flag was not specified.

Action: Verify the device specification. If the command is meant to run for devices in an SRDF/Star configuration, re-enter the command specifying the STAR flag.

EMCCV3DE REMOTE DEVICES ARE IN ACTIVE STAR GROUP

Cause: An #SC VOL command was entered with a CREATEPAIR, DELETEPAIR, or SWAP action, and the remote devices are in an SRDF/Star group. The STAR flag was not specified.

Action: Verify the device specification. If the command is meant to run for devices in an SRDF/Star configuration, re-enter the command specifying the STAR flag.

EMCCV3EE LOCAL|REMOTE GROUP IS IN STAR CONFIGURATION

Cause: An #SC VOL command was requested with a dynamic RDF action for devices in an SRDF/Star configuration and the STAR flag was not specified.

Action: Verify the device specification. If the command is meant to run for devices in an SRDF/Star configuration, re-enter the command specifying the STAR flag.

EMCCV3FE DIFFERENTIAL CREATEPAIR IN NON STAR RCVY GROUP

Cause: An #SC VOL command was requested with a CREATEPAIR action and with the DIFFERENTIAL flag specified; however, the RDF group specified was not an SRDF/Star recovery group.

Action: Verify the device and group specification. Re-enter the command specifying the correct SRDF/Star recovery RDF group.

EMCCV40I DEVICE IS NOT AN Rn VALIDATE IS INVALID FOR THIS DEVICE

The value of *n* can be either 1 or 2, and should reflect the value entered for SYNCH_DIRECTION.

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.

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 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 not the correct type for the current SYNCH_DIRECTION. If it is, contact the 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 *Testing Recovery Procedures* chapter of the *SRDF Host Component 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=cuu,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 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=cuu,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 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=cuu, 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 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. Once the swap completes, the R2 indicates that there are invalid tracks on the R1. This message is followed by a list of Symmetrix device numbers for which the message applies.
- Action:** Once the swap completes, go to the description of procedure 2 in Chapter 2 of the *SRDF Host Component Product Guide*.
- EMCCV48I** The text for this message takes one of the following forms, depending on whether validate or invalidate was requested:
- INVALIDATING ALL TRACKS ON DEVICE #__
- VALIDATING ALL TRACKS ON DEVICE #__
- Cause:** 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 xxxx 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 re-enter the command.

EMCCV4AE HALF-SWAP LOCAL DEVICES IN NON STAR RDF GROUP

Cause: An #SC VOL command was requested with an HSWAP action; however, the local devices were not in an SRDF/Star RDF group.

Action: Verify the device specification and re-enter the command with the correct device specification.

EMCCV4BE HALF-SWAP REMOTE DEVICES IN NON STAR RDF GROUP

Cause: An #SC VOL command was requested with an HSWAP action; however, the remote devices were not in an SRDF/Star RDF group.

Action: Verify the device specification and re-enter the command with the correct device specification.

EMCCV4CE LOCAL|REMOTE DEVICE RANGE TOO HIGH FOR RDF CONFIGURATION

Cause: An #SC VOL command was entered with a CREATEPAIR action but either the local or remote device range is too high for the RDF configuration. The maximum Symmetrix device number that can be specified on either side is based on the Enginuity level of the Symmetrix software. The maximum device number that can participate in the RDF configuration is the lower of the maximums on both sides.

Action: Select a Symmetrix device number range on both sides that is within the range allowed by both sides. The maximum device numbers for the various Enginuity levels that support dynamic RDF are as follows:

5X68 - 0FFF
5X69 - 1F3F
5X70 - 1F3F
5671 - 3E7F
5771 - F9FF

EMCCV50I

SWAP *from_dev-to_dev(count)* FAILED:*error-description*
 CREATEPAIR
 DELETEPAIR
 HALFSWAP
 HALFDELETE

Cause: A Dynamic RDF action code (SWAP | CREATEPAIR | DELETEPAIR | HALFSWAP | HALFDELETE) was attempted and the action failed for one or more devices. In the message, *from_dev* is the starting Symmetrix device number of the *from* range, *to_dev* is the starting Symmetrix device number of the *to* range, *count* is the number of devices in the range, and *error-description* is one of the following:

Error Description	Action
ACTION FAILED FOR DEVICE	One or more devices in the specified range failed to execute the requested action. Issue an #SQ VOL command to determine which devices completed. Retry the command for the failed devices and if it still fails, contact the EMC Customer Support Center for technical assistance.
ACTION NOT SUPPORTED	The Symmetrix is not at a high enough microcode level to support the requested action.
ALREADY CONCURRENT RDF	The device already has two RDF mirrors. Cannot have more than two RDF mirrors.
BAD RDF GROUP SPECIFIED	Bad RDF group specified, re-check the group and re-enter the command with the correct group.
CLEANUP RUNNING	Can't delete device while cleanup is running. Wait for cleanup to complete before re-issuing the request.
CONCURRENT RDF DEVS FOUND	Swap is not allowed to concurrent RDF devices.
CONFIG MISMATCH	Configuration comparisons between the two sides failed. Contact the EMC Customer Support Center for technical assistance.
DEVICE ALREADY RDF	One or more devices were already RDF.
DEVICE HELD FOR TF SNAP	One or more devices were the target of a TimeFinder Snap operation. Wait until TimeFinder Snap is complete or select another device.
DEVICE IN CGROUP	Deletepair was requested for a device in a CGROUP. Remove the device from the CGROUP and retry the operation.
DEVICE IS XRC	Cannot perform SRDF operations on an XRC device.
DEVICE NUMBER IS INVALID	Check the device numbers specified in the #SC VOL command.
DEVICE RANGE IS TOO BIG	Try breaking the swap up into multiple commands with fewer devices.

Error Description	Action
DEVICES NOT DYNAMIC	The selected devices are not configured for dynamic RDF. Contact the EMC Customer Support Center for technical assistance.
DRDF RAID_S NOT SUPPORTED	Raid-S devices are not valid for use with Dynamic RDF.
DUPLICATE DEVICE SPECIFICATION	SRDF Host Component specified the same device more than once in the call to Symmetrix for DRDF operations. Contact the EMC Customer Support Center for technical assistance.
DYNAMRDF ERROR 17xx	In attempting to perform the requested action, Symmetrix returned an error code (xx) that Host Component didn't recognize. Contact the EMC Customer Support Center for technical assistance.
DYNRDF INTERNAL ERROR	An error occurred in Symmetrix dynamic RDF processing. Contact the EMC Customer Support Center for technical assistance.
FARPOINT NOT ALLOWED	Swap is not allowed in a Farpoint configuration.
FBA META MISMATCH	All members of an FBA Meta must be specified in the same Dynamic RDF call.
I/O ERROR RC=XXXX, RE=XXXX	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 EMC Customer Support Center for technical assistance.
INVALID FLAGS REQUESTED	Invalid flags were passed by Host Component to Symmetrix. Contact the EMC Customer Support Center for technical assistance.
INVALID MULTI-EXECUTE MASK	Invalid control information was passed by Host Component to Symmetrix. Contact the EMC Customer Support Center for technical assistance.
LOCK FAILED FOR DEVICE xxxx	Device xxxx is held by another operation. Wait for all processes to complete for the device or select another device.
MICROCODE LEVEL TOO LOW	The Symmetrix is not at a high enough microcode level to perform the requested action.
NO CONCURRENT DRDF ON BCV	Concurrent DRDF is not allowed on a BCV device.
NO CONCURRENT SRDFA MIRRORS	In a SRDFA configuration, only one mirror can be operating in SRDFA mode.
PAIR MISMATCH	The devices that Host Component specified as a pair are not actually a pair. Contact the EMC Customer Support Center for technical assistance.
R1 IS IN INVALID STATE	Check to see if the RDF pair is in a suspended state.
R2 ALREADY RDF	The requested operation would result in adding a second RDF mirror to an existing R2 device. This is not supported.

Error Description	Action
R2 IS IN INVALID STATE	Check to see if the RDF pair is in a suspended state.
R2 RESTORE NOT COMPLETE	A Deletepair request failed because an R2 restore was in progress. Wait for the R2 restore to complete and retry the request.
RDF FLAGS MISMATCH	The RDF flags passed by Host Component don't match those of the existing mirror. Contact the EMC Customer Support Center for technical assistance.
RDF MIRROR EXISTS IN GROUP	An attempt to add an RDF mirror to a device that already has an RDF mirror in the specified group. Select another group in which to add the device.
RDF PAIR NOT SUSPENDED	Check to see if the RDF pair is in a suspended state.
RDF POLARITY ERROR	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 clean this up.
REMOTE SERIAL# INVALID	The serial # of the remote Symmetrix was incorrect. This indicates that SRDF Host Component was unable to determine the correct serial # of the remote Symmetrix.
SAIMF ERROR RC=XXXX, RE=XXXX	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 EMC Customer Support Center for technical assistance.
SPLIT CE+DE NOT ALLOWED	One or more devices are configured as split CE+DE devices. They are not allowed to be dynamic RDF.
SPLIT CE+DE NOT ALLOWED	One or more devices were configured to be split CE+DE.
SRDFA ACTIVATION LOCK HELD	An attempt to perform DRDF operations on SRDFA device(s) failed because the SRDFA activation lock is held. Wait a while and retry the command.
SRDFA I/O'S OUTSTANDING	The SRDFA cycles must be complete for the devices before DRDF operations can be performed. Wait for at least 2 SRDFA cycles to complete before proceeding.
SRDFA MIXED RDF DEVICES	Createpair was requested but would have resulted in adding an R1 to the secondary side of a SRDFA group.
SRDFA STATE TABLE LOCKED	An attempt to perform DRDF operations on SRDFA device(s) failed because the SRDFA state table lock is held. Wait a while and retry the command.
SWAP NOT ALLOWED IN SRDFA GROUP	Swap is not allowed for a SRDFA group as it would result in an R1 device on the secondary side.
SWAP R2 IS LARGER THAN R1	Swap was requested but the R2 device is larger than the R1 device. This is not allowed.

Error Description	Action
SWAP WITH WRITE PENDINGS	Cannot swap if device has outstanding WPs. Wait for the write pendings to clear and retry the operation.
SYMPURGE ACTIVE ON DEVICE	Symmetrix Purge is active on the device. Wait a while and retry the operation.
TOLERANCE OR CEXMPT NOT SET	DRDF operations not allowed while SRDFA is active unless tolerance or consistency exempt is set.
UCB FAILED VALIDATION	An error occurred validating the UCB for the specified device. Try issuing the command using a different gatekeeper device.
UNDO ACTION FAILED	A dynamic RDF action failed, and subsequent backout of the action failed. Contact the EMC Customer Support Center for technical assistance.
VAULT DEVICE CANNOT BE R2	Devices defined as VAULT devices cannot be R2s.

EMCCV51E NOT AN RDF DEVICE, DYNAMICRDF REQUEST ABORTED

Cause: An #SC VOL command with a Dynamic RDF action code (SWAP | DELETEPAIR) was issued, but one or more devices were not RDF devices. This message is followed by a list of Symmetrix device numbers for which the message applies. If force was specified, processing proceeds, but the listed devices are excluded.

Action: Select another device.

EMCCV52E TOO MANY HOPS SPECIFIED

Cause: An #SC VOL command with a Dynamic RDF action code (SWAP | CREATEPAIR | DELETEPAIR) was issued, and a multihop list was provided with more than seven hops.

Action: Check the multihop list for validity, and re-enter the command.

EMCCV53R SRDF SETTING ADAPTIVE COPY RATE, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause: An #SC VOL command was issued with an action code of ADCOPY_RATE.

Action: Reply as directed.

EMCCV55I REQUEST TO VALIDATE ALL TRACKS ON ALL R_n DEVICES

You must also invalidate all tracks on all associated R_1 devices.

The value of n can be either 1 or 2, and should reflect the value entered for SYNCH_DIRECTION.

Cause: An #SC VOL, p_1, p_2, p_3 command was issued to a range of devices with $p_2=VALIDATE$ to the control unit to validate all tracks on all R_n devices. If the current SYNCH_DIRECTION= $R_1 > R_2$, then VALIDATE may only be requested on all R_2 devices. If the current SYNCH_DIRECTION= $R_1 < R_2$, then VALIDATE may only be requested on all R_1 devices.

Action: None.

EMCCV56R SRDF VALIDATING ALL TRACKS ON ALL R_n DEVICES, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

The value of n can be either 1 or 2, and should reflect the value entered for SYNCH_DIRECTION.

Cause: An #SC VOL, p_1, p_2, p_3 command was issued to a range of devices with a $p_2=VALIDATE$ parameter.

Action: Reply either “xxCONTINUE” or “xxCANCEL.”

EMCCV57I REQUEST TO INVALIDATE ALL TRACKS ON ALL R_n DEVICES, ENSURE ALL TRACKS ON ALL ASSOCIATED R_N DEVICES ARE VALID

Cause: An #SC VOL, p_1, p_2, p_3 command was issued to a range of devices with $p_2=INVALIDATE$ parameter to the control unit to invalidate all tracks on all of the device types specified in the message.

Action: None.

EMCCV58R SRDF VALIDATING ALL TRACKS ON ALL R_n DEVICES, REPLY
CONTINUE TO PROCEED OR CANCEL TO TERMINATE

The value of *n* can be either 1 or 2, and should reflect the value entered for
SYNCH_DIRECTION.

Cause: An #SC VOL, p1, p2, p3 command was issued to a range of
devices with a p2=INVALIDATE parameter.

Action: Reply either “xxCONTINUE” or “xxCANCEL.”

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 re-enter the command.

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 Symmetrix controller that is below Engenuity level 5061.

Action: Use an #SC CNFG command to set the ADCOPY_MAX_ITRKS
value for this controller.

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 re-enter the failing command.

EMCCV62R SETTING ADCOPY MAX SKEW, REPLY CONTINUE TO PROCEED
OR CANCEL TO TERMINATE

Cause: An #SC VOL, cuu, ADC-MAX command was issued.

Action: Reply as directed.

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 RDF action code (SWAP | CREATEPAIR | DELETEPAIR) was issued, but one or more devices were not configured as dynamic RDF devices. This message is followed by a list of Symmetrix 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.

EMCCV65R

SRDF SETTING R1 TO ADCOPY-DISK MODE, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause: An #SC VOL, cuu, ADCOPY-DISK command was issued.

Action: Reply as directed.

EMCCV66E

SWAP RANGE TOO BIG, PLEASE SPECIFY A SMALLER RANGE

Cause: Because of the diversity of the devices in the specified range, Dynamic RDF processing generated too many separate swap requests.

Action: Split the request up 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 Symmetrix controller that was below Engenuity level 5061.

Action: Use an #SC VOL, cuu, ADCOPY command for this device.

EMCCV68E

NADCOPY NOT ALLOWED IN DATA MOBILITY MODE FOR SYM# 123456789012

Cause: The Symmetrix unit with serial number 123456789012 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 EMC Customer Support Center for technical assistance.

- EMCCV70E** SELECTED DYNAMIC RDF ACTION NOT SUPPORTED AT THIS MICROCODE LEVEL
- Cause:** An #SC VOL command with a Dynamic RDF action code (SWAP | CREATEPAIR | DELETEPAIR) was issued, but the Symmetrix is not at a sufficient microcode level to support the action.
- Action:** Issue an #SQ CNFG command to determine the microcode level. Contact EMC Technical support to arrange for a microcode 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 Symmetrix controller was below the minimum microcode level of 5061 for this action code.
- Action:** None. The command is aborted.
- EMCCV72E** DEVICE IS NOT AN R1, ADCOPY_RATE IS INVALID FOR THIS DEVICE
- Cause:** An #SC VOL command was issued with an action code of ADCOPY_RATE, but the requested volume is not an R1 (SOURCE) volume.
- Action:** Re-enter the command, specifying the device number of an R1 (source) volume.
- EMCCV74E** DEVICE 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 an #SC VOL, cuu, NADCOPY command to take the device out of Adaptive Copy mode and monitor the progress of the command with the #SQ ADC command. When the device is no longer in the Adaptive Copy mode, issue the #SC VOL, cuu, ADCOPY | ADCOPY_DISK command 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 Symmetrix controller 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 controller 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, retry the failing command.

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 xxxx, NOT READ ONLY

Cause: An #SC VOL, cuu VALIDATE 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.

Action: The command is aborted. Use an #SC VOL, cuu, R/O command to set the R2 device in READ/ONLY state, and retry the failing command.

More Information: See Chapter 6 in the *SRDF Host Component Product Guide*.

EMCCV78E

DEVICE xxxx NOT RDF-SUSP, COMMAND ABORTED

Cause: An #SC VOL, cuu, INVALIDATE 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.

Action: The command is aborted. Use an #SC VOL, cuu, RDF-SUSP command to RDF-SUSP the SRDF pair and retry the failing command.

More Information: See Chapter 6 in the *SRDF Host Component Product Guide*.

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 multihop list was specified. A Symmetrix 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 RDF 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 requested with a CREATEPAIR action, but one or more of the remote device numbers specified were beyond the range of configured devices on the remote Symmetrix.

Action: Check the remote Symmetrix and respecify the command with a valid device number range.

EMCCV7BE

ATTEMPT TO ADD R1 TO WRONG SIDE OF AN SRDFA GROUP

Cause: An #SC VOL CREATEPAIR command was issued to add devices to an SRDF / A RDF 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 # and re-enter the command so that the R1s reside on the primary side.

EMCCV7CE

ATTEMPT TO SWAP R1 TO WRONG SIDE OF AN SRDFA GROUP

Cause: An #SC VOL SWAP command was issued to swap devices in an SRDF / A RDF 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 re-enter the command for the correct devices.

EMCCV8AE

LOCAL DEVICE CONCURRENT DRDF GROUP ERROR

Cause: An #SC VOL command was entered for a dynamic RDF request and the RDF group was either not specified or was invalid. The requested action was either directed to a concurrent dynamic RDF set, or it was an attempt to add an R2 mirror to an existing RDF pair. For the CREATEPAIR action, the group specified may conflict with the group of an existing RDF mirror. For the DELETEPAIR action, the group specified may not match the group of one of an existing RDF 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. Re-issue the command with the appropriate RDF group.

EMCCV8BE

REMOTE DEVICE CONCURRENT DRDF GROUP ERROR

Cause: An #SC VOL command was entered for a dynamic RDF request and the RDF group was either not specified or was invalid. The requested Action: was either directed to a concurrent dynamic RDF set, or it was an attempt to add an R2 mirror to an existing RDF pair. For the CREATEPAIR action, the group specified may conflict with the group of an existing RDF mirror. For the DELETEPAIR action, the group specified may not match the group of one of an existing RDF 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. Re-issue the command with the appropriate RDF group.

EMCCV8CE

LOCAL R1: KEEPR2 AND EXISTING MIRROR NOT TNR

Cause: An #SC VOL command was entered with the CREATEPAIR action and the KEEPR2 flag. The local R1 device has an existing RDF mirror and this is an attempt to create a concurrent RDF set. The existing RDF pair is not suspended. The local R1 devices affected are displayed following this message.

Action: Issue an #SC VOL command to the local R1 device with the RDF-SUSP action to suspend the existing pair and re-issue the CREATEPAIR.

- 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 RDF mirror and this is an attempt to create a concurrent RDF set. The existing RDF 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 re-issue 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 *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 *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.
- EMCCV8OE** 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 RDF devices. This message is followed by a list of Symmetrix 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 RDF devices. This message is followed by a list of Symmetrix 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 xxxx, 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 had failed. Correct the problem, and retry the validate command.

EMCCV83E DEVICE xxxx, 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.

More Information: Refer to Chapter 6 in the *SRDF Host Component for z/OS Product Guide*.

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 RDF devices. This message is followed by a list of Symmetrix 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 xxxx, 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.

More Information: Refer to Chapter 6 in the *SRDF Host Component for z/OS Product Guide*.

Action: The command is aborted.

EMCCV86E DEVICE xxxx, 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.

More Information: Refer to Chapter 6 in the *SRDF Host Component for z/OS Product Guide*.

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 xxxx 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. Retry the Validate command, and if the problem persists, contact the EMC Customer Support Center for technical assistance.

EMCCV9 DE LOCAL R1 ALREADY CONCURRENT RDF

Cause: An #SC VOL command was entered with a CREATEPAIR action, but one or more local R1 device already have two remote mirrors. A list of the Symmetrix device #'s that are already concurrent RDF follows this message.

Action: Issue the #SC VOL command to ensure that the correct devices were selected. If necessary, delete one of the concurrent R2 mirrors to make room for the new R2 mirror.

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 Symmetrix controller, which is below Enginuity level 5062.

Action: Issue an #SQ CNFG, cuu command to determine the microcode level of your Symmetrix controller. Follow the recovery procedures as documented for your microcode 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 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 R1 device for refresh.

- EMCCV95R** SRDF REFRESHING R1 DEVICE, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
- Cause:** An #SC VOL, cuu, REFRESH command was issued to an R1 device, the current SYNCH_DIRECTION is set to R1>R2, and OPERATOR_VERIFY is set to ALL or CRITICAL.
- Action:** Reply as directed.
- EMCCV96R** SRDF REFRESHING R2 DEVICE, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
- Cause:** An #SC VOL, cuu, REFRESH command was issued to an R2 device, the current SYNCH_DIRECTION is set to R1<R2, and OPERATOR_VERIFY is set to ALL or CRITICAL.
- Action:** Reply as directed.
- EMCCV97R** SRDF REFRESHING cccccccccccccc REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
ccccccccccccc = 'ALL R1 DEVICES,' for refresh all
'R1 DEVICES,' for refresh range
- Cause:** An #SC VOL, cuu, REFRESH, ALL command was issued, the OPERATOR_VERIFY is set to ALL or CRITICAL, and the current SYNCH_DIRECTION is set to R1<R2.
- Action:** Reply as directed.
- EMCCV98R** SRDF REFRESHING cccccccccccccc REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
ccccccccccccc = 'ALL R1 DEVICES,' for refresh all
'R1 DEVICES,' for refresh range
- Cause:** An #SC VOL, cuu, REFRESH, ALL command was issued, the OPERATOR_VERIFY is set to ALL or CRITICAL, and the current SYNCH_DIRECTION is set to R1>R2.
- Action:** Reply as directed.
- EMCCV99E** DEVICE xxxx REFRESH ALREADY REQUESTED, ISSUE RFR-RSUM TO COMPLETE
- Cause:** An #SC VOL, cuu, REFRESH command was re-entered 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 EXCLUDED
- Cause:** An #SC VOL command was issued with an action code of VALIDATE, INVALIDATE, or REFRESH for unequal sized RDF devices, and the synchronization direction is set to R1<R2.
- Action:** Sync direction R1<R2 is not supported for unequal sized RDF 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 RDF pair where the R1 is smaller than the R2. The sync direction is set to R1<R2.
- Action:** Since 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 RDF mirrors. This message is followed by a list of device numbers on the local Symmetrix.
- Action:** Verify that the correct devices were specified. If desired, delete one of the R2 mirrors and re-issue the CREATEPAIR or SWAP.
- EMCCV9EE** REMOTE R1 IS CONCURRENT RDF
- Cause:** An #SC VOL command was entered with the CREATEPAIR or SWAP action involving an R1 device which has 2 RDF mirrors. This message is followed by a list of device numbers on the remote Symmetrix.
- Action:** Verify that the correct devices were specified. If desired, delete one of the R2 mirrors and re-issue the CREATEPAIR or SWAP.

EMCCVA0E DEVICE IS NOT AN R1, RDF WRITE ENABLE IS NOT VALID FOR THIS DEVICE

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. Retry the command to the correct device type.

EMCCVA1E DEVICE IS NOT RDF WRITE DISABLED, COMMAND ABORTED

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.

EMCCVA2R ENABLING RDF WRITE ON [ALL] R1 DEVICES REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

ENABLING RDF WRITE ON R1 DEVICE, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause: An #SC VOL, cuu, RDF_WR_ENABLE command was issued and OPERATOR_VERIFY is set to ALL.

Action: Reply as directed.

EMCCVA3E DEVICE xx REFRESH HAS BEEN REQUESTED, ISSUE RFR-RSUM TO COMPLETE

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.

EMCCVA4R SRDF REQUESTING RFR-RSUM TO AN R1 DEVICE
SRDF REQUESTING RFR-RSUM TO AN R2 DEVICE
SRDF REQUESTING RFR-RSUM TO [ALL] DEVICES, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause: An #SC VOL, cuu, RFR-RSUM command has been requested, and the OPERATOR_VERIFY initialization option is set to YES or CRITICAL. Only devices for which an #SC VOL, cuu, REFRESH command has successfully completed are affected.

Action: Reply as directed.

EMCCVA5E NO REFRESH OR REFRESH NOT COMPLETE, REQUEST ABORTED

Cause: An #SC VOL, cuu, RFR-RSUM command has been requested for a single device, and an #SC VOL command with an action code of REFRESH had not been entered or had not completed successfully.

Action: Check the log to see if a previous RFR_RSUM command had completed successfully.

EMCCVA6E NO ELIGIBLE DEVICES FOUND FOR RFR-RSUM, REQUEST ABORTED

Cause: An #SC VOL, cuu, RFR-RSUM command has been requested for all devices on the Symmetrix controller, and no eligible devices were found.

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 controller.

EMCCVA7E DEVICE xxxx NO AVAILABLE LINKS

Cause: An #SC VOL, cuu, RFR-RSUM command has been requested for device xx; however, no links are available for this device.

Action: Issue an #SQ LINK command to check the link status on both the local and remote Symmetrix units. Ensure that the links are online and physically connected.

EMCCVA8I DEVICE xxxx (RX), ISSUING RFR_RSUM

Cause: An #SC VOL, cuu, RFR-RSUM command is being issued for device xx.

Action: Use an #SQ VOL command to monitor the progress of the refresh operation.

EMCCVAAI DEVICE xxxx, 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 xxxx 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 RDF partner device. Action: The device is not properly refreshed. Re-enter the refresh for the indicated device number and re-enter the RFR-RSUM. If the problem persists, contact the EMC Customer Support Center for technical assistance.
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. Action: Issue an #SQ VOL command to monitor the progress of the command. 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 RDF group was not provided. Action: Reissue the command with the LCL (cuu, rdfgroup#) format.
EMCCVAEI	RAID10 DEVICES ARE CURRENTLY NOT SUPPORTED Cause: An #SC VOL command was issued to perform an action on a RAID10 device. The SRDF HC currently does not support RAID10 devices. Action: Contact the EMC Customer Support Center for technical assistance.
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 and cannot be resumed. Action: Determine why the link(s) are down and bring them online, then reissue the command.

- EMCCVB0E** DEVICE `xxxx`, HAS NON-ZERO R1 INVALID TRACKS COMMAND ABORTED
- Cause:** An `#SC VOL, dddd, RDF-SUSP` command has been issued to an R1 device that is in the process on synchronizing, and cannot be suspend until the synchronization is completed.
- Action:** Wait until the device is synchronized, and then reissue the command.
- EMCCVB1E** DEVICE `xxxx`, RFR-RSUM COMMAND FAILED
- Cause:** An `#SC VOL, cuu, RFR-RSUM` command was requested for device `xx`, but the Symmetrix unit was unable to accept the command at that time.
- Action:** Wait a few minutes, and retry the `#SC VOL, cuu, RFR-RSUM` command. If the problem persists, contact the EMC Customer Support Center for technical assistance.
- EMCCVB2E** DEVICE `xxxx`, REFRESH COMMAND NOT EXECUTED
- Cause:** An `#SC VOL, cuu, REFRESH` command was requested for device `xx`, but the command did not complete successfully.
- Action:** Wait a few minutes, and retry the `#SC VOL, cuu, REFRESH` command. If the problem persists, contact the EMC Customer Support Center for technical assistance.
- EMCCVB3E** DEVICE `xxxx`, IS FBA, COMMAND NOT EXECUTED
- Cause:** A 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 Symmetrix 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 Symmetrix device numbers / ranges are displayed on subsequent lines of this multi-line message.

Action: The devices in DOMINO mode are excluded from the requested action. Issue an #SC VOL command with the NDOMINO action code, and re-enter 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 Symmetrix device numbers / ranges that are in a conflicting Adaptive Copy mode are displayed on subsequent lines of this multi-line message.

Action: The devices in conflict are excluded from the requested action. Issue an #SC VOL command with the NADCOPY action code, and retry the request for the excluded devices.

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 Symmetrix device numbers / ranges will be displayed on subsequent lines of this multi-line message.

Action: Use the SYSLOG to determine why the validate command did not complete successfully. Correct the problem, and retry the validate command.

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 Symmetrix 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.

More Information: Refer to Chapter 6 in the *SRDF Host Component for z/OS Product Guide* for further details.

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 Symmetrix device numbers/ranges are displayed on subsequent lines of this multi-line 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 Symmetrix device numbers/ranges are displayed on subsequent lines of this multi-line 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 Host Component command log for previously issued #SC VOL commands. If the problem persists, contact the EMC Customer Support Center for technical assistance.

EMCCVBBI RFR-RSUM RETRYING FOR DEVICES

Cause: An #SC VOL command was issued with the RFR-RSUM action. The RFR-RSUM failed to complete on the listed device(s).

Action: None. The 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-RSUM 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 Host Component command log for previously issued #SC VOL commands. Re-enter the RDF-RSUM action code for the listed device numbers. If the problem persists, contact the EMC Customer Support Center for technical assistance.

EMCCVBEE VOLUME MUST NOT BE RWD, ACTION NOT PERFORMED FOR DEVICE# xxxx

Cause: An #SC VOL command with the RDF-SUSP action was issued to a device, and the device specified 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 a #SC VOL command with the RDF-SUSP action, if necessary.

EMCCVBFI DEVICES IN RWD STATUS WILL BE EXCLUDED

Cause: An #SC VOL command was issued with the REFRESH action to a range of devices, and one or more of those devices were in an RDF WRITE DISABLED status.

Action: Check the specified devices. Ensure that their partner R2 devices are in a READ ONLY mode. Issue an #SC VOL command with the RDF_WR_ENABLE action. Ensure that the devices are in a TNR status by issuing an #SC VOL command with the RDF-SUSP action, if necessary.

EMCCVC0I R1 DEVICES WITH R1 INVALID TRACKS

Cause: An SC VOL, dddd, RDF-SUSP command has been issued, and the following devices have R1 invalid tracks.

Action: None.

EMCCVC1I DEVICE dddd, REFRESH COMMAND RETRYING

Cause: A REFRESH command was issued that has not completed. The code will retry the command.

Action: None.

EMCCVC2I DEVICE xxxxx RFR-RSUM RETRYING (CUU:0E1D)

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 Symmetrix with a local link, and up to 10 times for a Symmetrix with an extended link. Use the #SQ CNFG command to determine whether your Symmetrix has a local or extended link.

EMCCVC3I DEVICE xxxxx RFR-RSUM INCOMPLETE (CUU:0E1D)

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.

More Information: Refer to message *EMCCVC2I* on page 2-74.

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 Host Component command log for previously issued #SC VOL commands. Re-enter the RDF-RSUM action code for the device. If the problem persists, contact the EMC Customer Support Center for technical assistance.

EMCCVC4I DEVICE DDDD, RFR-RSUM COMMAND RETRYING

Cause: An RFR-RSUM was issued that has not completed. The code will retry the command.

Action: None.

- EMCCVC5I** DEVICE xxxx, 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 retry the failing command.
- 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 retry the failing command.
- EMCCVC7I** DEVICES IN CONSISTENCY GROUPS WILL BE EXCLUDED
- Cause:** An #SC VOL command with an action code of ADCOPY, ADCOPY-DISK, 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 *dev#*, 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. Retry the command. If the problem persists, contact the EMC Customer Support Center for technical assistance.
-
- 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. Retry the command. If the problem persists, contact the EMC Customer Support Center for technical assistance.
-
- 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. Retry the command. If the problem persists, contact the EMC Customer Support Center for technical assistance.
-
- 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 re-enter the command.
-
- EMCCVCEE** DEVICE *dev#* REQUIRES SPECIAL PROCESSING BEFORE RESUME
- Cause:** An #SC VOL command was entered with the RDF-RSUM action code; however, the device specified requires that resynchronization procedures be performed. The command is aborted.

Action: Refer to the description of *Procedure 2: Selecting a Synchronization Method* in Chapter 6 in the *SRDF Host Component for z/OS Product Guide*. Ensure that Steps 1 and 2 are complete. Then use Step 3 (Table 5-1) 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 code; however, (some of) the specified devices require that resynchronization procedures be performed. A list of the Symmetrix 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: Refer to *Procedure 2: Selecting a Synchronization Method in Testing Recovery Procedures* in the *SRDF Host Component for z/OS Product Guide*, and ensure that Steps 1 and 2 are complete. Then use Step 3 (Table 5-1) to determine the appropriate resynchronization procedure to be used to resume remote mirroring.

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 SRDFA 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 SRDFA device.

Action: Either deactivate SRDF / A or turn Tolerance mode on, then issue the RDF-RSUM again.

EMCCVDDI	ACTIVE SRDFA DEVICES BEING BYPASSED Cause: Either an RDF-SUSP, ADCOPY, or ADCOPY-DISK command was issued to devices including Active SRDF/A devices. The Active SRDF/A devices are being excluded from the command. Action: None.
EMCCVDEE	SPECIFIED ACTION IS NOT ALLOWED TO AN ACTIVE SRDFA 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 SRDFA Cause: A CREATEPAIR command is being attempted to an RDFGRP with SRDF/A. CREATEPAIR is not allowed to an RDFGRP with SRDF/A. The command is aborted. Action: None.
EMCCVE0R	SETTING R2 TO ITA, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE Cause: An #SC VOL, cuu, ITA command was issued with OPERATOR_VERIFY set to ALL or CRITICAL. Action: Reply either “xxCONTINUE” or “xxCANCEL.”
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 and if the problem persists, contact the EMC Customer Support Center for technical assistance.
EMCCVE2R	SETTING R2 TO NITA, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE Cause: An #SC VOL, cuu, NITA command was issued with OPERATOR_VERIFY set to ALL or CRITICAL. Action: Reply either “xxCONTINUE” or “xxCANCEL.”

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 and if the problem persists, contact the EMC Customer Support Center for technical assistance.

EMCCVE4E DEVICE xxxx, 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 DELETEDPAIR: R1 INDICATES DATA OWED TO THE R2

Cause: An #SC VOL command with a DELETEDPAIR 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, DELETEDPAIR processing continues, and the owed tracks are not transferred to the RDF partner.

EMCCVE6W DELETEDPAIR: R2 INDICATES DATA OWED TO THE R1

Cause: An #SC VOL command with a DELETEDPAIR 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 devices numbers to which it applies.

Action: Unless FORCE was specified, the command is aborted. If FORCE is specified, DELETEDPAIR processing continues, and the owed tracks are not transferred to the RDF partner.

EMCCVE7E CREATEPAIR: DEVICE SIZE OR EMULATION DOES NOT MATCH

Cause: An #SC VOL, LCL (dddd, 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.

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 Symmetrix unit were in an RDF-NRDY state. A list of Symmetrix 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 Symmetrix unit were in an RDF-NRDY state. A list of Symmetrix 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 Symmetrix 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 RAGRP xx specified in the command is unknown so the SYNC_DIRECTION is set to NONE, thus preventing procedural commands.

Action: None.

- EMCCVEFE** DEVICE dddd, INVALID RAGRP, ACTION NOT PERFORMED
- Cause:** The RAGRP for device *dddd* is unknown. The command is aborted.
- Action:** Verify the RAGRP 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 R1's, but they are not configured as being dynamic R1 capable.
- This message is followed by a list of Symmetrix 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 Symmetrix 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 Symmetrix 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 Symmetrix 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.
- EMCCVF8I** DEVICE(S) EXCLUDED WITH SYNC DIRECTION OF NONE
- Cause:** An #SC VOL command has been issued that 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* on page 2-82. 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 that selected devices with more than one SYNCH_DIRECTION.
- Action:** If OPERATOR_VERIFY is CRITICAL, refer to *EMCCVFBR* on page 2-82. 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* on page 2-82. Note that these devices are sending data from the R2 to the R1.
- EMCCVFBR** RANGE W/ DIFFERENT SYNC DIRECTIONS, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
- Cause:** An #SC VOL command has been issued to devices with more than one SYNCH_DIRECTION.
- Action:** Refer to *EMCCVF8I* on page 2-82, *EMCCVF9I* on page 2-82, and *EMCCVFAI* on page 2-82 to determine if the devices are moving data from the devices you want. If the command is correct, reply CONTINUE, or else reply CANCEL to terminate.

EMCCVFCE	SEMI-SYNC IS NOT ALLOWED IN A BOX WITH FICON DIRECTORS Cause: A SEMI_SYNC command was issued to a device in a box with FICON. FICON does not allow devices to be in SEMI-SYNC. Action: None.
EMCCVFDE	REMOTE DEVICE(S) EXCLUDED BECAUSE OF TIMEFINDER DATASET SNAP 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.
EMCCVFEE	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.
EMCCVFEE	DEVICES BYPASSED BECAUSE R1 IS NOT TARGET NOT READY Cause: An 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.
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 Symmetrix storage subsystem. This message should be accompanied by another message that further defines the problem. Action: Look for an accompanying message. If necessary, contact the EMC Customer Support Center for assistance.
EMCDU00E	RCVT NOT FOUND Cause: The address of RCVT Table is not found. Action: Contact the EMC Customer Support Center for technical assistance.

- EMCDU01E** SSCT NOT FOUND
- Cause:** An SRDF subsystem ID (the one that you specified in your start task parameter file) is not found in the system.
- Action:** Contact the EMC Customer Support Center for technical assistance or your system programmer.
- EMCDU02E** SSCT FAILED VALIDATION
- Cause:** The SSCTID for Host Component is invalid.
- Action:** Contact the EMC Customer Support Center for technical assistance.
- EMCDU03E** SSVT NOT FOUND
- Cause:** The SSVT for SRDF-HC was not found.
- Action:** Contact the EMC Customer Support Center for technical assistance.
- EMCDU04E** RCVT FAILED VALIDATION
- Cause:** The RCVT table ID is invalid.
- Action:** Contact the EMC Customer Support Center for technical assistance.
- EMCDU05E** CNTLUNIT TABLE FAILED VALIDATION
- Cause:** The CNTLUNIT table ID is invalid.
- Action:** Contact the EMC Customer Support Center for technical assistance.
- EMCDU06E** DEVICE TABLE FAILED VALIDATION
- Cause:** The DEVICE table ID is invalid.
- Action:** Contact the EMC Customer Support Center for technical assistance.
- EMCDU07E** SSID TABLE FAILED VALIDATION
- Cause:** The SSID table ID is invalid.
- Action:** Contact the EMC Customer Support Center for technical assistance.

- EMCDU08E** MESSAGE TABLE FAILED VALIDATION
Cause: The MESSAGE table ID is invalid.
Action: Contact the EMC Customer Support Center for technical assistance.
- 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: Contact the EMC Customer Support Center for technical assistance.
- EMCDU10I** TRC:xxxxxxxx xH.MM.SS xxxx x99 TCB:xxxxxxxx xxxxxx
Cause: A trace entry is being displayed from the DEBUG DUMP command.
Action: None.
- EMCDU20E** HCTCB FAILED VALIDATION
Cause: An internal control block has been corrupted and was detected during a DEBUG DUMP command.
Action: Contact the EMC Customer Support Center for technical assistance.
- EMCDU21E** RANGELST FAILED VALIDATION
Cause: An internal control block has been corrupted and was detected during a DEBUG DUMP command.
Action: Contact the EMC Customer Support Center for technical assistance.
- EMCDU22E** DEVMASK FAILED VALIDATION
Cause: An internal control block has been corrupted and was detected during a DEBUG DUMP command.
Action: Contact the EMC Customer Support Center for technical assistance.

EMCDU23E HCRQE FAILED VALIDATION

Cause: An internal control block has been corrupted and was detected during a DEBUG DUMP command.

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

EMCDU24E RAIDGRUP FAILED VALIDATION

Cause: An internal control block has been corrupted and was detected during a DEBUG DUMP command.

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

EMCGM00E SPECIFIED CUU NOT FOUND OR NOT A DIRECT ACCESS DEVICE

Cause: For all SRDF-HC commands that require a cuu, 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 so, what is its device type. Re-enter the command, specifying an existing direct access device.

EMCGM01E NOT AN EMC DEVICE

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 Symmetrix device.

Action: Issue an #SQ SSID,ALL command to make sure the device is not a Symmetrix device by checking the flag field. If the flag has indicated the device is a Symmetrix device, contact the EMC Customer Support Center for technical assistance.

EMCGM02E MUST BE A 5000 SERIES OR HIGHER

Cause: An #SQ VOL,p1,p2 command was issued with p1=cuu and p2=count parameters, but the system has detected that the control unit is not a 5000 series Symmetrix controller.

Action: Issue 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 EMC Customer Support Center for technical assistance.

EMCGM03E	NON-ZERO RETURN CODE FROM PROCCNTL Cause: This error message is usually generated along with other error messages when an error occurred during a process of an #SC or #SQ command. Action: None.
EMCGM04E	CNTLUNIT FAILED VALIDATION Cause: The control unit table ID is invalid. Action: Contact the EMC Customer Support Center for technical assistance.
EMCGM05E	MICROCODE LEVEL FOR THIS CONTROLLER IS BELOW THE MINIMUM REQUIREMENT Cause: A SRDF Host Component command was issued to the control unit that has a level of Engenuity below 5060. Action: None.
EMCGM07I	COMMAND COMPLETED Cause: When SRDF Host Component has completed a process of command. Action: None.
EMCGM08E	DEVTABLE AT ___ FAILED VALIDATION Cause: The DEVTABLE table ID is invalid. Action: Contact the EMC Customer Support Center for technical assistance.
EMCGM09E	ERROR OCCURRED CREATING DEVTABLE Cause: Invalid data occurred. Action: Refer to message <i>EMCGM08E</i> , and contact the EMC Customer Support Center for technical assistance.
EMCGM10I	COMMAND ABORTED Cause: SRDF Host Component discontinued a process of the command due to: 1. The operator responding to cancel the command 2. Invalid data occurring

Action: Refer to those messages that displayed immediately before this one, or contact EMC Customer Support Center for technical assistance when necessary.

EMCGM11I SRDF-HC DISPLAY FOR #SQ CNFG, . . .

Cause: An #SQ CNFG, . . . command was issued.

Action: None.

More Information: Refer to the #SQ CNFG command description in the *SRDF Host Component Product Guide* for information on this display.

EMCGM12E VOLUME MUST NOT BE RDF-SUSP, ACTION NOT PERFORMED FOR DEVICE #xxxx

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, contact the EMC Customer Support Center for technical assistance.

EMCGM13E VOLUME IS NOT RDF-SUSP, ACTION NOT PERFORMED FOR DEVICE #xxxx

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=yyyyyyyyy

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, contact the EMC Customer Support Center for technical assistance.

EMCGM16E DEVTABLE ENTRY NOT FOUND

Cause: The address of DEVTABLE table cannot be found.

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

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: Re-enter the command specifying a non-FBA device as the cuu (or the first cuu in the range).

EMCGM20E SAICALL FAILED R15=*xxxxxxxx* 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 EMC Customer Support Center for technical assistance.

EMCGM23E *xxxx* I/O ERROR, INFO: *aaaaaaaa bbbbbbbb cccccccc dddddd* VID: *eeeeeee*

Cause: An I/O error occurred in the Symmetrix API. In the message:

xxxx

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

eeeeeeee

API function name

Action: Refer to message *EMCGM20E* on page 2-89 for the interpretation of the return code and reason code contained in the *cccccccc* field.

EMCGM24E

CONTROL UNIT IS NOT FOR AN EMC DEVICE

Cause: A command was issued to an SSID(ssid), and the ssid is for a control unit that is not an EMC control unit.

Action: Only issue commands using the SSID(ssid) for an ssid belonging to an EMC control unit.

EMCGM30E

UNABLE TO DETERMINE RDF STATE, COMMAND ABORTED

Cause: During #SQ VOL or #SC VOL command processing, the Host Component attempted to determine the RDF state of Symmetrix devices and was unable to do so. The Host Component retries the operation three times before issuing this message.

Action: Wait a few moments, and retry the command. If the problem persists, contact the EMC Customer Support Center for technical assistance.

EMCGM40I

COMMAND HAS FINISHED FOR BOX xxxxxxxxxxxxxx

Cause: A configuration command was issued and has finished. This message indicates which Symmetrix unit the command was executed on.

Action: None.

EMCGM41I

REQUESTED DEVICES aaaa-aaaa,bbbb-bbbb,

Cause: A configuration command was issued and has finished. This message indicates which Symmetrix device(s) the command was requested to execute on.

Action: None.

- EMCGM42I** ELIGIBLE DEVICES *nnnn-nnnn*
- Cause:** A configuration command was issued. This message indicates which Symmetrix 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 Symmetrix 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 the message exit facility is disabled.
- Action:** Refer to the *SRDF Host Component Product Guide* for further information.
- EMCGM81I** SRDF-HC DISPLAY FOR #SQ ADC, . . .
- Cause:** An #SQ ADC, cuu. . . command was requested.
- Action:** None.
- More Information:** Refer to the #SQ ADC command description in the *SRDF Host Component 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:** Contact the EMC Customer Support Center for technical assistance.

EMCGM9BI CANNOT USE UCB AT xxxxxxxx - SYMDEVICE dddd 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 box.

EMCGM9CE SSID_REFRESHMAXIMUM LOOP ERROR - FINAL CUU dddd

Cause: An internal logic problem has been detected.

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

EMCGM9DI SSID_REFRESH LOOP COUNT xxxx

Cause: This message is issued to the HCLOG, and is for diagnostic purposes only.

Action: None.

EMCGM9EE DYNAMIC SWAP DETECTED FOR DEVICE dddd. DEVICE MOVED FROM SYMMETRIX serial# TO SYMMETRIX serial#. SSID_REFRESH MUST BE ISSUED BEFORE DEVICE dddd CAN BE USED.

Cause: This message was issued because a UCB has been dynamically moved from one box to another.

Action: When all dynamic swapping completes, issue an #SC GLOBAL,SSID_REFRESH command.

EMCGM9FE SSID_REFRESH MUST BE ISSUED BEFORE DEVICE % CAN BE USED

Cause: This message was issued because a UCB has been dynamically moved from one box to another.

Action: When all dynamic swapping completes, issue an #SC GLOBAL,SSID_REFRESH command.

- EMCGP00E** (*stmt#*) COMMAND ISSUED TO A GROUP WITHOUT ANY INCLUDED DEVICES
- Cause:** A 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 (refer to message *EMCIN55I* on page 2-107).
- EMCGP01E** (*stmt#*) GETMAIN FAILED WHILE PROCESSING A GROUP COMMAND
- Cause:** A Host Component command was issued to a group name, but the Host Component was unable to obtain “above the line” private storage to resolve the group.
- Action:** Restart the Host Component with a larger region size. If the problem persists, contact the EMC Customer Support Center for technical assistance. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to *EMCIN55I* on page 2-107).
- EMCGP02E** (*stmt#*) NO EXCLUDES FOUND AND WE ARE NOT FOR VOLUME
- Cause:** Internal logic error.
- Action:** Contact the EMC Customer Support Center for technical assistance. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).
- EMCGP03E** (*stmt#*) WORKING DEVICE MASK NOT FOUND AFTER GETMAIN
- Cause:** Internal logic error.
- Action:** Contact the EMC Customer Support Center for technical assistance. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

EMCGP04E (*stmt#*) GROUP INTERNAL ERROR - ANYPAT FAILURE

Cause: Internal logic error.

Action: Contact the EMC Customer Support Center for technical assistance. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

EMCGP05E (*stmt#*) GROUP INTERNAL ERROR - ANYEVOL FAILURE

Cause: Internal logic error.

Action: Contact the EMC Customer Support Center for technical assistance. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

EMCGP06E (*stmt#*) GROUP INTERNAL ERROR - DVMASK_NOT FAILURE

Cause: Internal logic error.

Action: Contact the EMC Customer Support Center for technical assistance. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

EMCGP07E (*stmt#*) GROUP INTERNAL ERROR - ADDIVOL_IMASK FAILURE

Cause: Internal logic error.

Action: Contact the EMC Customer Support Center for technical assistance. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

EMCGP08E (*stmt#*) GROUP INTERNAL ERROR - ADDIVOL FAILURE

Cause: Internal logic error.

Action: Contact the EMC Customer Support Center for technical assistance. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

- EMCGP09E** (stmt#) GROUP INTERNAL ERROR - DVMASK_AND FAILURE
Cause: Internal logic error.
Action: Contact the EMC Customer Support Center for technical assistance. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).
- EMCGP10E** (stmt#) GROUP INTERNAL ERROR - DO_SRDF_GRP FAILURE
Cause: Internal logic error.
Action: Contact the EMC Customer Support Center for technical assistance. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).
- EMCGP11E** (stmt#) GROUP INTERNAL ERROR - QUEUE_REQUESTS FAILURE
Cause: Internal logic error.
Action: Contact the EMC Customer Support Center for technical assistance. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to *EMCIN55I* on page 2-107).
- EMCGP12E** (stmt#) GROUP MAXIMUM SOURCE LENGTH REACHED
Cause: Internal logic error.
Action: Contact the EMC Customer Support Center for technical assistance. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to *EMCIN55I* on page 2-107).
- EMCGP13E** (stmt#) GROUP SPECIFIC VOLUME NOT FOUND
Cause: INCLUDE_VOL statement specifies an invalid volume.
Action: Correct the volume name in the INCLUDE_VOL statement.
- EMCGP14E** (stmt#) GROUP INTERNAL ERROR - @MASKSET FAILURE
Cause: Internal logic error.
Action: Contact the EMC Customer Support Center for technical assistance. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to *EMCIN55I* on page 2-107).

- 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 (refer to *EMCIN55I* on page 2-107).
- EMCGP16I** INVALID DEVICE *nnnn* IN GROUP *xxxxxxx*
- Cause:** An INCLUDE_RAG or EXCLUDE_SYM statement is being processed, and the *nnnn* MVS device number is not a valid MVS device number. The GROUP *xxxxxxx* cannot be built with this statement.
- Action:** Refer to message *EMCGP17R*.
- EMCGP17R** ENTER STOP OR CONTINUE
- Cause:** Refer to messages *EMCGP16I* or *EMCGP18E* on page 2-96.
- Action:** Reply “Stop” to immediately stop the Host Component. Reply “Continue” to ignore the error specified in *EMCGP16I* or *EMCGP18E*.
- EMCGP18E** EXCLUDED DEVICE *xxxx* IN GROUP *xxxxxxx* WILL NOT BUILD GROUP
- Cause:** An INCLUDE_RAG or EXCLUDE_SYM statement is being processed, and the *nnnn* MVS device number is an excluded MVS device number. The group *xxxxxxx* cannot be built with this statement.
- Action:** Refer to message *EMCGP17R* on page 2-96.
- 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.

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, contact the EMC Customer Support Center for technical assistance.

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 initialization parameter file.

Action: Check the parameter file to make sure the first noncomment line is “SUBSYSTEM_NAME. If it is, contact the EMC Customer Support Center for technical assistance.

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 OS/390 or 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, contact the EMC Customer Support Center for technical assistance.

EMCIN03I EMC SUBSYSTEM USING COMMAND PREFIX *prefix*

Cause: The system informs you that the command prefix that you have 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, contact the EMC Customer Support Center for technical assistance.

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, contact the EMC Customer Support Center for technical assistance.

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, contact the EMC Customer Support Center for technical assistance.

- 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.
- 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.
- 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: Contact the EMC Customer Support Center for technical assistance.

- 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 of from 1 to 65535, or omit the value to take the default of 256.
- EMCIN20W** RDFCNFG DD EXCLUDED FROM SRDF-HC PROC
- Cause:** No DD statement was provided in the Host Component startup JCL for the VSAM configuration file.
- Action:** Host Component initialization continues with this feature disabled.
- 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 OS/390 or 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 unitization 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 parm.
- 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 the SRDF 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 the SRDF Host Component. If the region size appears to be large enough, check with your systems programmer, or contact the EMC Customer Support Center for technical assistance.
- 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 the 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 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:** Check with your systems programmers, or contact the EMC Customer Support Center for technical assistance.
- 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 SECURITY_QUERY=SAF or SECURITY_CONFIG=SAF, and restart the 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 the Host Component.
- EMCIN38E** UNABLE TO OBTAIN STORAGE FOR SMF BUFFER
- Cause:** The SMFREC initialization parameter was specified; however, the 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 the 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 the 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 the 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 PRECEED 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 from 1 to 4096.
- 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***Format 1:**

EMCIN51E COMMAND PREFIX REGISTRATION FAILED:
ILLEGAL PREFIX

Cause: Command Prefix registration was requested and the request failed. The requested command was not legal.

Action: Verify that the requested command prefix is valid. Issue an MVS 'D OPDATA' command to identify any conflicts. Change the selected prefix as necessary and retry. If a system error is indicated, contact EMC technical support for assistance.

Format 2:

EMCIN51E COMMAND PREFIX REGISTRATION FAILED: PREFIX
IN USE

Cause: Command Prefix registration was requested and the request failed. The requested prefix is already in use by another subsystem.

Action: Verify that the requested command prefix is valid. Issue an MVS 'D OPDATA' command to identify any conflicts. Change the selected prefix as necessary and retry. If a system error is indicated, contact EMC technical support for assistance.

Format 3:

EMCIN51E COMMAND PREFIX REGISTRATION FAILED:
CONFLICTING PREFIX

Cause: Command Prefix registration was requested and the request failed. The requested prefix is either a subset or a superset of an existing registered prefix.

Action: Verify that the requested command prefix is valid. Issue an MVS 'D OPDATA' command to identify any conflicts. Change the selected prefix as necessary and retry. If a system error is indicated, contact EMC technical support for assistance.

Format 4:

EMCIN51E COMMAND PREFIX REGISTRATION FAILED: SYSTEM
ERROR RC=xx, R0=xxxxxxxxx

Cause: Command Prefix registration was requested and the request failed. The command prefix registration failed due to a system error.

Action: Verify that the requested command prefix is valid. Issue an MVS 'D OPDATA' command to identify any conflicts. Change the selected prefix as necessary and retry. If a system error is indicated, contact EMC technical support for assistance.

EMCIN52E COMMAND PREFIX DELETE FAILED: *text*

Format 1:

EMCIN52E COMMAND PREFIX DELETE FAILED: ILLEGAL
PREFIX

Cause: Command Prefix de-registration failed. The requested command prefix was not legal.

Action: Issue an MVS 'D OPDATA' command and contact EMC technical support for assistance.

Format 2:

EMCIN52E COMMAND PREFIX DELETE FAILED: PREFIX NOT
REGISTERED

Cause: Command Prefix de-registration failed. The requested prefix is not registered.

Action: Issue an MVS 'D OPDATA' command and contact EMC technical support for assistance.

Format 3:

EMCIN52E COMMAND PREFIX DELETE FAILED: SYSTEM ERROR
RC=xx, R0=xxxxxxxx

Cause: Command Prefix de-registration failed. The command prefix de-registration failed due to a system error.

Action: Issue an MVS 'D OPDATA' command and contact EMC technical support for assistance.

EMCIN53E INVALID COMMAND_PREFIX INITIALIZATION PARAMETER

Cause: During the Host Component initialization, a COMMAND_PREFIX parameter statement contained an error.

Action: Review the COMMAND_PREFIX parameter in the initialization parms. Consult the *SRDF Host Component Product Guide* for the correct syntax. Correct the error, and resubmit the command.

EMCIN54E INVALID PARM for REGISTER_COMMAND_PREFIX

Cause: The REGISTER_COMMAND_PREFIX= initialization parameter was specified, but the value specified was neither YES nor NO.

Action: Respecify the parameter value as either YES or NO.

EMCIN55I *stmt# initialization text statement*

Cause: During 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.

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.

Action: Correct the group name, and restart the Host Component. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

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. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

Action: Correct the group name, and restart the Host Component.

EMCIN62E (*stmt#1:stmt#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.

Action: Change the GROUP_NAME statements so that your group names are unique. In the message, *stmt#1* and *stmt#2* identify the line numbers in the initialization parameter file of the statements that have duplicate group names (refer to message *EMCIN55I* on page 2-107).

EMCIN63E (stmt#) GETMAIN FAILURE FOR A GROUP CONTROL BLOCK

Cause: During Host Component initialization processing, an attempt failed to obtain *above the line* private storage for group information.

Action: Restart the Host Component with a larger region size. If the problem persists, contact the EMC Customer Support Center for technical assistance. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

EMCIN64E (stmt#) 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.

Action: Change the INCLUDE_CUU specification to provide a valid MVS device number, and restart the Host Component. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

EMCIN65E (stmt#) 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.

Action: Change the INCLUDE_CUU specification to provide a valid volume serial, and restart the Host Component. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

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 MVS device number was not supplied.

Action: Change the EXCLUDE_CUU specification to provide a valid MVS device number, and restart the Host Component. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

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.

Action: Change the EXCLUDE_VOL specification to provide a valid volume serial, and restart the Host Component. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

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.

Action: Add the required initialization statements to complete the group definition, and restart the Host Component. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

EMCIN69E (stmt#) 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.

Action: Add the required initialization statements to complete the group definition, and restart the Host Component. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

EMCIN70E (stmt#) INVALID DATA FOUND WHILE PROCESSING INCLUDE_CUU

Cause: An INCLUDE_CUU statement was specified incorrectly in the initialization parms.

Action: Correct the INCLUDE_CUU specification, and restart the Host Component. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

EMCIN71E (stmt#) INVALID RA NUMBER FOUND WHILE PROCESSING
INCLUDE_RAG

Cause: An INCLUDE_RAG statement was specified with an invalid RA Group number in the initialization parameters.

Action: Correct the invalid RA Group number in the INCLUDE_RAG specification, and restart the Host Component. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

EMCIN72E (stmt#) INVALID CUU FOUND WHILE PROCESSING
INCLUDE_RAG

Cause: An INCLUDE_RAG statement was specified with an invalid CUU number in the initialization parms.

Action: Correct the invalid CUU number in the INCLUDE_RAG specification, and restart the Host Component. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

EMCIN73E (stmt#) INVALID DATA FOUND WHILE PROCESSING
INCLUDE_RAG

Cause: An INCLUDE_RAG statement was specified with invalid data in the initialization parameters.

Action: Correct the INCLUDE_RAG specification, and restart the Host Component. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

EMCIN74E (stmt#) INVALID SYM DEVICE NUMBER FOUND WHILE
PROCESSING EXCLUDE_SYM

Cause: An EXCLUDE_SYM statement was specified with an invalid Symmetrix device number in the initialization parameters.

Action: Correct the Symmetrix device number in the EXCLUDE_SYM specification, and restart the Host Component. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

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.

Action: Correct the invalid CUU number in the EXCLUDE_SYM specification, and restart the Host Component. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

EMCIN76E (stmt#) INVALID DATA FOUND WHILE PROCESSING
EXCLUDE_SYM

Cause: An EXCLUDE_SYM statement was specified with invalid data in the initialization parameters.

Action: Correct the EXCLUDE_SYM specification, and restart the Host Component. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

EMCIN77E (stmt#) LOW SYM DEVICE NUMBER FOUND HIGH WHILE
PROCESSING EXCL UDE_SYM OR MISSING ()

Cause: An EXCLUDE_SYM statement was specified with a range of Symmetrix devices, and the device range is invalid or parenthesis are missing.

Action: Correct the EXCLUDE_SYM specification, and restart the Host Component. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

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.

Action: Correct the group definition, and restart the Host Component. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

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.

Action: Correct the Group definition, and restart the Host Component.

EMCIN80E (*stmt#*) INCLUDE_CUU NOT VALID WITH
INCLUDE_RAG/EXCLUDE_SYM

Cause: An INCLUDE_CUU (MVS_GROUP) statement was specified with a INCLUDE_RAG or EXCLUDE_SYM (SYM_GROUP) statement, which is not valid.

Action: Correct the group definition, and restart the Host Component. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message EMCIN55I on page 2-107).

EMCIN81E (*stmt#*) EXCLUDE_CUU NOT VALID WITH
INCLUDE_RAG/EXCLUDE_SYM

Cause: An EXCLUDE_CUU (MVS_GROUP) statement was specified with a INCLUDE_RAG or EXCLUDE_SYM (SYM_GROUP) statement, which is not valid.

Action: Correct the group definition, and restart the Host Component. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message EMCIN55I on page 2-107).

EMCIN82E (*stmt#*) INCLUDE_VOL NOT VALID WITH
INCLUDE_RAG/EXCLUDE_SYM

Cause: An INCLUDE_VOL (MVS_GROUP) statement was specified with a INCLUDE_RAG or EXCLUDE_SYM (SYM_GROUP) statement, which is not valid.

Action: Correct the group definition, and restart the Host Component. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message EMCIN55I on page 2-107).

EMCIN83E (stmt#) EXCLUDE_VOL NOT VALID WITH
INCLUDE_RAG/EXCLUDE_SYM

Cause: An EXCLUDE_VOL (MVS_GROUP) statement was specified with an INCLUDE_RAG or EXCLUDE_SYM (SYM_GROUP) statement, which is not valid.

Action: Correct the group definition, and restart the Host Component. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message EMCIN55I on page 2-107).

EMCIN84E (stmt#) 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.

Action: Correct the group definition, and restart the Host Component. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message EMCIN55I on page 2-107).

EMCIN85E (stmt#) 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.

Action: Correct the group definition, and restart the Host Component. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message EMCIN55I on page 2-107).

EMCIN86E (stmt#) INVALID DATA FOUND WHILE PROCESSING
INCLUDE_RAG

Cause: The format of an INCLUDE_RAG statement is invalid.

Action: Correct the INCLUDE_RAG statement at *stmt#*. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message EMCIN55I on page 2-107).

EMCIN87E (stmt#) INVALID DATA FOUND WHILE PROCESSING
EXCLUDE_SYM

Cause: The format of an EXCLUDE_SYM statement is invalid.

Action: Correct the EXCLUDE_SYM statement at *stmt#*. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

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 the 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.

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 needs to be an alphanumeric 24-character or less name.

Action: Correct the name. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement.

EMCMB01E (stmt#) MSC_GROUP_NAME= SPECIFIED WITH A NAME
LONGER THAN 24 CHARACTERS

Cause: The name specified on the MSC_GROUP_NAME statement is not a valid name. The name needs to be an alphanumeric 24-character or less name.

Action: Correct the name. In the message, stmt# identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-81).

EMCMB02E (stmt#) MSC MSC_GROUP_NAME ERROR IN GETTING ECSA
CONTROL B LOCK

Cause: The name specified on the MSC_GROUP_NAME statement is not a valid name. The name needs to be an alphanumeric 24-character or less name.

Action: Contact the EMC Customer Support Center for technical assistance. In the message, stmt# identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

EMCMB03E (stmt#) MSC_GROUP_NAME MISSING INCLUDE_SESSION
STATEMENT OR MISSING GROUP_END

Cause: The MSC_GROUP_NAME statement starts a series of statements that are needed. The MSC_INCLUDE_SESSION statement is required, one for each SRDFA session that is required in the MSC_GROUP.

Action: Add a valid MSC_INCLUDE_SESSION statement. In the message, stmt# identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

EMCMB04E (stmt#) MSC_INCLUDE_SESSION STATEMENT MISSING OR
INVALID

Cause: The MSC_GROUP_NAME statement starts a series of statements that are needed. The MSC_INCLUDE_SESSION statement is required, one for each SRDFA session that is required in the MSC_GROUP.

Action: Add a valid MSC_INCLUDE_SESSION statement. In the message, stmt# identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

- EMCMB05E** (stmt#) MSC_INCLUDE_SESSION MAXIMUM NUMBER OF BOXES EXCEEDED
- Cause:** More than the maximum allowed SRDF / A sessions have been defined to the MSC Group.
- Action:** Remove sessions until the number is below the limit. In the message, stmt# identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).
- EMCMB06E** (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** (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.
- Action:** Remove the SN(x) statement or set x = 0. In the message, stmt# identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).
- EMCMB08E** POST FAILED, SRDFA/MULTIBOX
- Cause:** Internal logic error.
- Action:** Contact the EMC Customer Support Center for technical assistance. In the message, stmt# identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).
- 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: Contact the EMC Customer Support Center for technical assistance.

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 SRDFA.

Action: Correct the MSC_INCLUDE_SESSION or contact the EMC Customer Support Center for technical assistance. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

EMCMB0DE SRDFA 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 SRDFA.

Action: Correct the MSC_INCLUDE_SESSION or contact the EMC Customer Support Center for technical assistance. In the message, *stmt#* identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).

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: The MSC GROUP statements have been processed and all parsing has been done. The SRDF HC has notified the SCF MSC environment that it has new MSC Group definitions to process.
Action: None.
- EMCMB10E** (stmt#) MSC_CYCLE_TARGET STATEMENT INVALID
Cause: The MSC_CYCLE_TARGET statement was specified without a valid value.
Action: Correct the value specified on the statement. In the message, stmt# identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).
- EMCMB11E** (stmt#) MSC_CYCLE_TARGET OUT OF RANGE OF 15 SECONDS TO 1800 SECONDS
Cause: The MSC_CYCLE_TARGET statement was specified with a valid number but not in the range of 15 seconds – 1800 seconds.
Action: Correct the value specified on the statement. In the message, stmt# identifies the line number in the initialization parameter file of the failing statement (refer to message *EMCIN55I* on page 2-107).
- EMCMB12E** PROCDEVT FAILED FOR CUU dddd FOUND IN MSC_GROUP msc_group_name
Cause: Internal logic error.
Action: Contact the EMC Customer Support Center for technical assistance.
- EMCMB13E** PROCUCB FAILED FOR CUU dddd FOUND IN MSC_GROUP msc_group_name
Cause: Internal logic error.
Action: Contact the EMC Customer Support Center for technical assistance.

EMCMB14E CUU *dddd* CANNOT BE A GATEKEEPER FOR MSC_GROUP SRDFA

Cause: The MSC_INCLUDE_SESSION statement used device *dddd* that has been found not valid to be used 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 (LCF) for MSC was not found.

Action: Add the MSC LFC code to SCF. You may need to contact your local EMC sales representative to obtain the code.

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 HC 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 you MSC_GROUP definition and refresh or restart your SRDF HC 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 - 3.
- Action:** Change the value in the MSC_WEIGHT_FACTOR statement in your MSC_GROUP definition and refresh or restart your SRDF HC.
- EMCMB19E** 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 (LCF) for MSC (STAR) was not found.
- Action:** Add the MSC LFC code to SCF. You may need to contact your local EMC sales representative to obtain the code.
- EMCMB20E** (stmt#) MSC_STAR= SPECIFIED WITHOUT A VALID CONGROUP NAME SPECIFIED
- Cause:** The MSC_STAR= statement was found in the MSC_GROUP definition however the cgrpname is missing from the definition.
- Action:** Add the cgrpname that is protecting the non-SRDF/A mirror in your SRDF/Star configuration and refresh or restart your SRDF HC.
- EMCMB21E** (stmt#) MSC_STAR= SPECIFIED WITH A CONGROUP NAME LONGER THAN 8 CHARACTERS
- Cause:** The MSC_STAR= statement was found but the cgrpname listed to the right of the equal sign is longer than 8 characters.
- Action:** A valid consistency group name is at most eight characters. Correct the cgrpname and refresh or restart your SRDF HC.

EMCMB30E MSC_STAR= SPECIFIED BUT SRDF/A DEVICE FOUND THAT IS NOT CONCURRENT RDF

Cause: At least one device in the SRDF/A RDFGRP of a STAR definition is not a concurrent R1 device.

Action: Make sure that the definition includes the correct RDFGRPs 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 RDFGRPs.

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 RDFGRP cannot be determined. This message would only be issued if an internal logic error exists.

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

EMCMB33E (stmt#) MSC_INCLUDE_SESSION REQUIRES NEW RDFGRP FOR A STAR CONFIGURATION

Cause: A MSC_STAR=cgrpname statement was found in the MSC_GROUP definition but the recovery RDFGRP (between the SRDF/A secondary Symmetrix to the non-SRDF/A Symmetrix) was not specified.

Action: Add the recovery RDFGRP to the INCLUDE_SESSION=ddd,(nn),(mm) statement where the recovery RDFGRP is mm.

EMCMB40E RDFGRP xx CANNOT BE A RECOVERY RDFGRP FOR MSC_GROUP
YYYYYYYYY

Cause: The RDFGRP xx that has been defined in the MSC_GROUP
yyyyyyy has at least one device already defined in the RDFGRP.

Action: For STAR, the recovery RDFGRP xx already contains devices.
The recovery RDFGRP must not contain any devices. Please delete the
devices in RDFGRP xx or use another (empty) RDFGRP.

EMCMB41E R1 RDFGRP xx HAS DEVICES WITHOUT PROTECTION FOR
MSC_GROUP YYYYYYYY

Cause: The R1 devices in RDFGRP xx do not have multiple mirrors or
RAID protecting them.

Action: For STAR, the devices need to have either two local mirrors
or RAID protection.

EMCMB42E R2 RDFGRP xx HAS DEVICES WITHOUT PROTECTION FOR
MSC_GROUP YYYYYYYY

Cause: The R2 devices in RDFGRP xx on the synchronous leg 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.

EMCMB43E R2 RDFGRP xx HAS DEVICES WITHOUT PROTECTION FOR
MSC_GROUP YYYYYYYY

Cause: The R2 devices in RDFGRP xx on the asynchronous leg 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.

EMCMN00I SRDF-HC CMD : _____

Cause: Issued when any SRDF 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: Contact the EMC Customer Support Center for technical assistance.
- EMCMN03I** SRDF HOST COMPONENT Vx.x.x NOW ACCEPTING COMMANDS
Cause: Issued when SRDF Host Component initialization has completed.
Action: None.
- 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
Action: The operating system is below MVS/ESA 4.3.
Action: Upgrade MVS.
- EMCMN06E** QUERY COMMAND MUST BE FROM A MASTER AUTHORITY CONSOLE
Cause: A #SQ command was issued at a nonmaster console as the SECURITY=MASTER has been specified in the SRDF initialization parameter file.
Action: Issue the command at the master console.
- EMCMN07E** CONFIG COMMAND MUST BE FROM A MASTER AUTHORITY CONSOLE
Cause: An #SC CNFG command was issued at a nonmaster console as the SECURITY_CONFIG=MASTER has been specified in the SRDF initialization parameter file.
Action: Issue the command at the master console.
- EMCMN08W** INVALID SRDF COMMAND, PLEASE RETRY
Cause: The command that was entered has an invalid format.
Action: Check your command syntax, and re-enter the command.

- EMCMN09I** MESSAGE INTERFACE HAS BEEN WITHDRAWN
Cause: Issued when the Host Component has been terminated.
Action: None.
- EMCMN10I** SUBSYSTEM INTERFACE HAS BEEN WITHDRAWN
Cause: Issued when the Host Component has been terminated.
Action: None.
- EMCMN11E** LENGTH INVALID ON CUU
Cause: cuu has an invalid format.
Action: Check your command syntax, and re-enter the command.
- EMCMN12E** NUMBER OF VOLUMES TO DISPLAY IS INVALID
Cause: count, number of volumes to display, has an invalid format. Specifying a *state* is not valid for the #SQ VOL, #SQ MIRROR, #SQSTATE, #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 re-enter the command.
- EMCMN13E** NUMBER OF DEVICES TO DISPLAY MUST NOT nnnn
Cause: An #SQ VOL or #SQ MIRROR command was issued, and the count requested exceeds the value selected for the MAX_QUERY initialization parameter.
Action: Re-enter the command with the count field specified 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 IS INVALID
Cause: cuu has an invalid format.
Action: Check your command syntax, and re-enter the command.
- EMCMN15E** CONFIG MSG - INVALID OR MISSING OPERAND
Cause: An #SC MSG, p1 command was issued with the p1 parameter missing.
Action: Check your command syntax, and re-enter the command.

- EMCMN17E** SQ(QUERY) SUBPARAM MUST BE VOL, LINK, CNFG, MSG, SSID, ADC, GLOBAL, BCV, MIRROR, STATE, OR RAID
- Cause:** An #SQ command was entered, and the first subparameter was either missing or invalid.
- Action:** Check your command syntax, and re-enter 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 re-enter 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 re-enter the command.
- EMCMN21E** MESSAGE INTERFACE HEADER FAILED VALIDATION
- Cause:** Our 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 our interface.
- Action:** Contact the 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 re-enter 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 ragroup# 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 2- to 4-digit hex value.
- Action:** Check your command syntax, and re-enter the command.
- EMCMN24E** DV NUMBER OR RANGE IS INVALID
- Cause:** The dev# has an invalid format.
- Action:** Check your command syntax, and re-enter the command.
- EMCMN25I** EMC CONSOLE DISPLAY COMMANDS - V_._._
- Cause:** A #HELP command was issued.
- Action:** None.
- EMCMN26E** SC(ONFIG) SUBPARM MUST BE BCV, VOL, LINK, GLOBAL, MSG, OR CNFG
- 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 re-enter 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 re-enter 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 re-enter the command.
- EMCMN30E** UNABLE TO FIND CUU IN SSID TABLES, SPECIFY P3
- Cause:** An #SC VOL,P1,p2,p3 command was issued with p1=cuu, p2=action and p3=dev# parameters, where dev# has been specified incorrectly.

Action: Issue the #SQ VOL, p1, p2, p3 command to find the correct device number, correct the mistake, and re-enter the #SC VOL, p1, p2, p3 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: Re-enter 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 RDF action code (SWAP | CREATEPAIR | DELETEPAIR) and special processing flags were specified incorrectly.

Action: Re-enter 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 *SRDF Host Component 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 re-enter the command.

EMCMN36E SC VOL, TOO MANY SUBPARMS ON xxx SPECIFICATION

Cause: An #SC VOL command was entered with the LCL or RMT parameter, but too many subparameters were specified. In the message, xxx is LCL or RMT.

Action: Re-enter the command with the LCL or RMT parameter entered correctly.

More Information: Refer to the *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 DELIMETER IN RMT SPECIFICATION

Cause: An #SQ or #SC command with the RMT (cuu... option requested, and an invalid delimiter was found in the RMT specification.

Action: Check the command syntax, and re-enter the command.

EMCMN38E DEVICE NUMBER OR RANGE REQUIRED FOR RMT REQUEST

Cause: An #SC VOL, RMT (cuu... command was entered, and the device number or range option was omitted.

Action: Re-enter the command, specifying the Symmetrix device number or range.

EMCMN39E INVALID RDF GROUP NUMBER SPECIFIED

Cause: An #SC or #SQ command was entered with the RMT (cuu, ragroup#) option, and the ragroup# was invalid.

Action: Check the command syntax. Issue an #SQ LINK or #SQ VOL command to determine what RA group #'s are valid in your configuration. Re-enter the command.

EMCMN40E GROUP NAME MISSING OR INVALID, COMMAND ABORTED

Cause: An #SQ or #SC command was entered with the G (smsgroupname) option, and the smsgroupname was missing or invalid.

Action: Check with your SMS administrator for a list of the valid groupnames in your system. Correct and re-enter the command.

- EMCMN41E** UNABLE TO RESOLVE GROUP NAME smsgroupname, RC=smsreturncode, RE=smsreasoncode
- Cause:** An #SQ or #SC command was entered with the G(smsgrouname) option, and SMS was unable to service the request.
- Action:** Check with your SMS administrator for a list of the valid groupnames and the state of SMS in your system. Correct and re-enter the command.
- EMCMN42I** NO VOLUMES IN GROUP smsgroupname
- Cause:** An #SQ or #SC command was entered with the G(smsgrouname) option, and there are no online volumes in the specified groupname.
- Action:** Check with your SMS administrator for a list of the valid groupnames in your system. Correct and re-enter the command.
- EMCMN43E** CQNAME PARAMETER MISSING OR INVALID
- Cause:** A command was entered with the CQNAME= parameter specified incorrectly.
- Action:** Re-enter the command correctly.
- EMCMN44E** CQNAME NOT ALLOWED FOR THIS COMMAND
- Cause:** A command was entered with the CQNAME= parameter specified, and CQNAME is not supported for that command.
- Action:** Re-enter 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 SSID is not valid.
- Action:** Reissue the command with a valid SSID.
- EMCMN46E** SSID INVALID DELIMETER
- Cause:** An #SQ or #SC VOL command was issued with an SSID parameter, but the specified SSID was not followed by a close “)” parenthesis.
- Action:** Review the syntax, and re-enter the command

- EMCMN47E** SSID *nnnn* NOT FOUND, TRY SC GLOBAL, SSID-REFRESH
- Cause:** An #SQ or #SC VOL command was issued with an SSID parameter, but the specified SSID was not found.
- 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(*dddd*) COMMAND INVALID - MUST USE LCL(*dddd*, *ragroup*#)
- Cause:** An #SC VOL command was entered with the LCL(. . .) parameter; however, the RDF group was not supplied.
- Action:** For a concurrent RDF device, re-enter the command, specifying the LCL parameter and the RDF group. For a non-concurrent RDF device, re-enter the command, specifying the MVS device number without the LCL parameter.
- EMCMN49E** ILLEGAL DYNAMIC RDF FLAGS COMBINATION
- Cause:** An #SC VOL command with a Dynamic RDF action code (SWAP | CREATEPAIR | DELETEPAIR) was issued, but an invalid flag combination was specified.
- Action:** Review the list of specified flags.
- EMCMN50E** *xxx* SPECIFICATION NOT SUPPORTED FOR SWAP CREATEPAIR DELETEPAIR
- Cause:** An #SC VOL command with a Dynamic RDF action code (SWAP | CREATEPAIR | DELETEPAIR) and the RMT(*cuu*,...) format of the command was used.
- Action:** For CREATEPAIR, use the #SC VOL, LCL(*cuu*, *rdfgroup*#) . . . format of the command. For SWAP and DELETEPAIR, use the #SC VOL, *cuu* . . . format of the command.
- EMCMN52E** VOLSER NAME MISSING OR INVALID, COMMAND ABORTED
- Cause:** An #SQ VOL, V(*vvvvvv*) command was issued, and the volser was not specified correctly.
- Action:** Issue the command again with the correct online volser name.

- EMCMN54E** INVALID DATA FOUND IN SN(sn) PARAMETER
- Cause:** An #SQ SRDF/A or #SQ SRDF/A_VOL command was issued with the SN(sn) parameter. However, the data found in the parameter is not valid.
- Action:** Use a valid SRDF/A session number.
- EMCMN55E** CLOSING) MISSING FROM SN(sn) PARAMETER
- Cause:** An #SQ SRDF/A or #SQ SRDF/A_VOL command was issued with the SN(sn) parameter. However, the closing parenthesis “)” was missing from the command.
- Action:** Use a valid SRDF/A session number and add the closing parenthesis.
- EMCMN56E** ADC-MAX COUNT MISSING OR INVALID, COMMAND ABORTED
- Cause:** An #SC VOL, cuu, ADC-MAX command was issued, and the count field was missing or invalid.
- Action:** Re-enter the command with a valid count value.
- 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 not specified or 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:** Re-enter the command with a valid rate specification.
- EMCMN60E** SYNCH DIRECTION NOT ALLOWED
- Cause:** An #SC GLOBAL, SYNCH_DIRECTION command was requested; however, the SYNCH_DIRECTION_ALLOWED initialization specified NONE.
- 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.
- EMCMN67I** SWAPPING LOG FILE FROM DDNAME=xxxxxxx TO DDNAME=xxxxxxx
- Cause:** An #SC GLOBAL, SWAPLOG command was issued, and the log was swapped.
- Action:** None.
- EMCMN69E** SEPCIFIED 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 box.
- EMCMN70E** RANGE IS NOT ALLOWED FOR THIS COMMAND
- Cause:** A Host Component command was issued with an MVS or Symmetrix device range, and the command was not an #SC VOL command.
- Action:** Device range specifications (consisting of two MVS or Symmetrix device numbers separated by a '-') are only allowed on an #SC VOL command. Check your command syntax, and re-enter 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 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 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 Host Component. If both log files were declared, issue the #SC GLOBAL SWAPLOG command to begin logging commands on the alternate file.

The #SQ GLOBAL command 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 re-enter the command.

EMCMN77I SYMMETRIX xxxxxxxx SUBTASK IS BUSY, REQUEST ABORTED

Cause: An #SC or #SQ command was entered with the G(smsgroupname) option, and the Symmetrix identified by xxxxxxxx was busy performing a request of the same type.

Action: Wait for the previous command to complete, and then retry the request.

- EMCMN79I** NO ELIGIBLE ONLINE DEVICES FOUND IN GROUP xxxxxxxx
- Cause:** An #SC VOL or #SQ VOL command was entered with the G (sms-group-name) 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.
- 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 re-enter 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
- Cause:** The #STOP command was entered from the batch interface.
- Action:** The #STOP command is not supported from the batch interface.
- 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 resubmit the job.
- 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. Once the SCF subsystem is started and completed its device scan, start the Host Component.

EMCMN85E SCF SUBSYSTEM FOUND WITH VERSION *nnn* BUT SRDF HOST COMPONENT HAS MINIMUM REQUIREMENT OF *nnn*

Cause: During SRDF Host Component startup, it was determined that SCF was below the minimum level required by this version of Host Component.

Action: Restart SCF at the required level and then restart Host component.

EMCMN86R SCF SUBSYSTEM NOT FOUND - START SCF AND RETRY OR CANCEL

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 and reply “xxRETRY” or “xxCANCEL.”

EMCMN87I SCF SUBSYSTEM FOUND - BUT WAITING ON DEVICE TABLE INITIALIZATION

Cause: The Host Component was started and the SCF subsystem was found but not completely initialized. The 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. Once the device table is initialized, the Host Component continues automatically.

EMCMN88E EMCTF IS NOT FOUND - TIMEFINDER COMMANDS ARE NOT AVAILABLE

Cause: A command was issued to the Host Component that requires the EMCTF EMC TimeFinder program. EMCTF was not found, preventing the command from running.

Action: If you are licensed for TimeFinder, include the library that contains EMCTF in the Host Component STEPLIB. If you are not licensed for TimeFinder, contact your EMC sales representative.

- EMCMN89E** STARTING VOLSER IS NOT VALID
- Cause:** The starting, specified VOLSER contained non-alphanumeric data.
- Action:** Respecify the starting VOLSER using only alphanumeric data.
- 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, RAID, RAID10, 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, RAID, RAID10, 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, RAID, RAID10, 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 services 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 services is being requested. However, the support for the service is not available in SCF.

Action: Contact the EMC Customer Service Support Center for technical assistance.

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* indicates why the failure occurred.

Action: Refer to the various formats below and the associated cause and actions.

The following table lists the various *message-text* displays and corresponding format numbers. Causes and actions for each format are provided following the table.

Format 1	PC ROUTINE ABENDED
Format 2	REQUEST IS NOT VALID
Format 3	GROUP NAME WAS NOT SUPPLIED
Format 4	INVALID @EMCGRP VERSION ID
Format 5	INSUFFICIENT STORAGE IN SCF SERVER
Format 6	GROUP NOT FOUND
Format 7	I/O ERROR
Format 8	GNS HAS NOT COMPLETED INIT. TRY LATER.

Format 9	OUTPUT BUFFER IS TOO SMALL
Format 10	SCF MAY NOT BE ACTIVE
Format 11	xxxxxxx/yyyyyy UNKNOWN GNS RC/RE

Format 1:

EMCMN98E SCFG(*groupname*) PC ROUTINE ABENDED

Cause: An abend occurred in the SCF interface.

Action: Collect the appropriate documentation and contact EMC Technical Support for Assistance.

Format 2:

EMCMN98E SCFG(*groupname*) REQUEST IS NOT VALID

Cause: 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 Host Component, or it is the result of a software error.

Action: Check the Host Component and SCF versions. Contact EMC Technical Support for Assistance.

Format 3:

EMCMN98E SCFG(*groupname*) GROUP NAME WAS NOT SUPPLIED

Cause: Host component did not supply a valid groupname to SCF GNS

Action: Contact EMC Technical Support for Assistance.

Format 4:

EMCMN98E SCFG(*groupname*) INVALID @EMCGRP VERSION ID

Cause: The running version of SCF GNS is incompatible with the running version of SRDF-HC.

Action: Check the Host Component and SCF versions. Contact EMC Technical Support for Assistance.

Format 5:

EMCMN98E SCFG(*groupname*) INSUFFICIENT STORAGE IN SCF SERVER

Cause: SCF GNS was unable to obtain enough virtual storage to satisfy the request.

Action: Check the region for the SCF server address space.

Format 6:

EMCMN98E SCFG(*groupname*) GROUP NOT FOUND

Cause: The requested groupname was not defined.

Action: Check the groupname specified. Re-enter the command with the correct groupname.

Format 7:

EMCMN98E SCFG(*groupname*) I/O ERROR

Cause: An I/O error occurred while processing the GNS request.

Action: Check the syslog for related messages. If necessary, Contact EMC Technical Support for Assistance.

Format 8:

EMCMN98E SCFG(*groupname*) GNS HAS NOT COMPLETED INIT. TRY LATER.

Cause: An SCFG request was made while SCF was still initializing.

Action: Wait a while and re-enter the request.

Format 9:

EMCMN98E SCFG(*groupname*) OUTPUT BUFFER IS TOO SMALL

Cause: An SCFG request was made and GNS tried to return more than 32k worth of information.

Action: Contact EMC Technical support for assistance.

Format 10:

EMCMN98E SCFG(*groupname*) SCF MAY NOT BE ACTIVE.

Cause: An SCFG request was made, but SCF is not active.

Action: Ensure that SCF is started and re-enter the request.

Format 11:

EMCMN98E SCFG(*groupname*) xxxxxxxx/yyyyyyyy UNKNOWN
GNS RC/RE

Cause: An unknown return-code / reason-code was returned by GNS. This may indicate a software level incompatibility between SCF and Host Component, or it is the result of a software error.

Action: Check the Host Component and SCF versions. Contact EMC Technical Support for Assistance.

EMCMN99R

STOP REQUESTED, ENTER 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 the Host Component.

EMCMNA0E

SQ DSTAT: INVALID DIRECTOR # SPECIFIED

Cause: An SQ DSTAT,*cuu,dir#* was entered and an invalid director # was supplied.

Action: Re-enter the command specifying a valid director #.

EMCMNA1W

SCFG(*groupname*) 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 controllers are no longer available. SQuery commands will continue processing and display the information for the available controllers. SConfig commands will abort. The serial for each unavailable controller will be listed.

Action: Identify why the related controllers are no longer available. If this is a valid situation, then enter the appropriate SCF commands to rebuild the groups.

- EMCMNA2E** SCFG(*groupname*) 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(*groupname*) GNS VERSION ERROR
- Cause:** An SCFG request was entered and the running version of SCF GNS is incompatible with the running version of SRDF-HC.
- Action:** Check the Host Component and SCF versions. Contact EMC Technical Support for Assistance.
- 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 $0 \leq VVVVV \leq 65535$ and re-issue the command.
- EMCMNB1E** SC SRDFA,XXXX,SET_CACHE_LIMIT,VVV REQUIRES VALUE VVV = 0 - 100
- Cause:** The SET_CACHE_LIMIT value VVV is not within the range of 0 and 100.
- Action:** Use a value $0 \leq VVV \leq 100$ and re-issue the command.
- EMCMNB2E** SC SRDFA,XXXX,SET_MIN_CYCLE_TIME,VV REQUIRES VALUE VV = 5 - 59
- Cause:** The SET_MIN_CYCLE_TIME value VV is not within the range of 5 and 59.
- Action:** Use a value $5 \leq VV \leq 59$ and re-issue 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 re-issue the command.

EMCMX03I USER MSG EXIT FOR *msgid*

Cause: Sample exit message. The sample generates this message and two other forms of EMCMX03I:

- ◆ EMCMX03I USER MSG EXIT FOR *msgid*, MVS DEVICE
NUMBER IS *cuu*
- ◆ EMCMX03I USER MSG EXIT FOR *msgid*, MVS DEVICE
NUMBERS FOLLOW:
cuu1-cuu2

Action: None. This message is informational.

EMCPC01I SAI RETURN R15=XXXXXXXX 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 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.

In the previous message, *xxxx* represents the MVS *cuu* of a volume on the Symmetrix unit at a higher microcode 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 Symmetrix director it detects at a higher, unsupported, microcode level at the time it first references that director with a command.

- EMCPC06E** CNTLUNIT IS IN DATA MIGRATION MODE, REQUEST ABORTED
- Cause:** A Host Component command was requested while the control unit was in Data Migration mode. Data Migration mode is not supported by the SRDF Host Component.
- Action:** None. The command is aborted.
- EMCPC07I** 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 RDF device, and an RAGROUP# was not specified.
- Action:** Re-enter the command, specifying an RAGROUP# or a CUU that is an RDF device.
- EMCPC08I** RAGROUP SPECIFIED DOES NOT EXIST
- Cause:** An #SC or #SQ command was entered with the RMT (cuu, ragroup#) option specified, and the ragroup# does not exist.
- Action:** Issue an #SQ LINK or #SQ VOL command to determine what RA group numbers are valid in your configuration. Re-enter 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 Symmetrix is below Enginuity level 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 RA 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. Retry the command.

- EMCPC11E** CALYPSO CONFIGURATION IS NOT SUPPORTED, REQUEST ABORTED
- Cause:** The controller has CALYPSO turned on, and Host Component does not support this configuration.
- Action:** Do not issue commands to controllers with CALYPSO turned on.
- EMCPC12E** CONCURRENT RDF DEVICE, RAGROUP MUST BE SPECIFIED
- Cause:** A command has been issued to a concurrent RDF device, and the RAGROUP of the mirror the command is to reference was not specified. A default cannot be determined since the device has more than one RAGROUP.
- Action:** Specify the specific RAGROUP 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 (DDDD, MHL, RA#) format. The multihop 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#*
- FOURTH HOP SERIAL# = *symmetrix serial#*
- FIFTH HOP SERIAL# = *symmetrix serial#*
- SIXTH HOP SERIAL# = *symmetrix serial#*
- SEVENTH HOP SERIAL# = *symmetrix serial#*
- Cause:** A Host Component command was entered with an RMT specification, and a multihop list was supplied. The multihop list was specified such that at least one of the hops referenced a Symmetrix that was touched earlier in the list. This is not supported.
- Action:** Review your multihop list to verify that it ends at the Symmetrix system that you intended. If necessary, consolidate your multihop list such that each hop does not hop to a Symmetrix system that was referenced earlier in the list.

- EMCPC52I** ERROR, BACK LEVEL SAI VERSION IS *nnn*
Cause: The Symmetrix SAI interface is back level.
Action: Check the install procedures to ensure that the Host Component is installed correctly. Contact the EMC Customer Support Center for technical assistance.
- EMCPD04I** ADCOPY CALL FAILED RSN=62 - SOME ADCOPY FUNCTIONS ARE DISABLED FOR SERIAL# *symmetrix serial#*
Cause: Host Component attempted a discovery operation for the Symmetrix with the displayed serial #. In doing so, it was found that the Engenuity level was too early to utilize some adaptive copy features.
Action: This message is issued only once for the listed Symmetrix. Contact EMC Customer Support to update your Engenuity level if required.
- EMCPD81E** PROCDEVT: R15=xxxxxxxx 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 EMC Customer Support Center for technical assistance.
- EMCPS00I** SSID(S) : 9999 TOTAL DEV(S) : 99,999 SUPPORTED DEV(S) : 99,999
All values are in decimal. *SSID(S)* specifies the number of subsystem IDs found, *Total DEV(S)* specifies the total number of disk devices found, and *Supported DEV(S)* specifies the number of devices found in EMC controllers that support SRDF commands.
Cause: Issued during SRDF Host Component initialization and after an SSID_REFRESH.
Action: None.

- EMCPS01I** CNTLUNIT AT *address* FAILED VALIDATION
- Cause:** The CNTLUNIT table ID does not match the internal ID at the address represented by *address*.
- Action:** Contact the EMC Customer Support Center for technical assistance.
- EMCPS02E** SSIDTBL AT *address* FAILED VALIDATION
- Cause:** The SSID table ID does not match the internal ID at the address represented by *address*.
- Action:** Contact the EMC Customer Support Center for technical assistance.
- EMCPS03I** REFRESH COMPLETE, 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:** Contact the EMC Customer Support Center for technical assistance.
- 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:** Contact the EMC Customer Support Center for technical assistance.
- 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.
- Action:** Contact the EMC Customer Support Center for technical assistance.

- 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: Contact the EMC Customer Support Center for technical assistance.
- EMCPU08W** NO SSID(S) FOUND IN THE SSIDTBL FOR THIS CONTROLLER, 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: Contact the EMC Customer Support Center for technical assistance.
- 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 5x67 microcode system that does not have either 11184 or 12329 on the system.
Action: Contact the EMC Customer Support Center for technical assistance.
- EMCQA03W** ERROR OCCURRED WHILE COLLECTING UCB INFORMATION
Cause: An #SQ ADC command was issued, and the Host Component was unable to collect UCB information for the device.
Action: Contact the EMC Customer Support Center for technical assistance.
- EMCQA04E** NO R1 DEVICES FOUND IN ADAPTIVE COPY MODE
Cause: An #SQ ADC command was issued for a controller that has no source (R1) devices.
Action: Select a controller that has source (R1) devices for this command.
- EMCQA06E** NO DEVTABLE FOR CONTROL UNIT
Cause: An #SQ ADC command was issued, and an internal logic error occurred in the Host Component.
Action: Contact the EMC Customer Support Center for technical assistance.

- EMCQA07W** TARGET ADDR NOT FOUND, STARTING FROM THE CONTROLLER BASE
- Cause:** An #SQ ADC, cuu command was issued, and the Host Component was unable to find a device table entry for device cuu.
- 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 Host Component startup. The Host Component is unable to determine the Symmetrix 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 Symmetrix controller was not at Enginuity level 5061 or higher.
- Action:** None. The command is aborted.
- EMCQG00I** SRDF-HC DISPLAY FOR #SQ GLOBAL
- Cause:** An #SQ GLOBAL command was requested.
- Action:** None.
-
- More Information:** For a complete description of this display, refer to the #SQ GLOBAL command in the *SRDF Host Component Product Guide*.
-
- EMCQL00I** SRDF-HC DISPLAY FOR #SQ LINK, . . .
- Cause:** An #SQ LINK, cuu . . . command was requested.
- Action:** None.

More Information: For a complete description of this display, refer to the #SQ LINK command in the *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.

More Information: For a complete description of this display, refer to the #SQ LINK command in the *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 controller.

Action: Issue an #SQ CNFG, p1 command to determine if there is any RA directors. If there is, contact the EMC Customer Support Center for technical assistance.

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 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.

EMCQM81I

SRDF-HC DISPLAY FOR #SQ MSG, . . .

Cause: An #SQ MSG, . . . command was requested.

Action: None.

More Information: For a complete description of this display, refer to the #SQ MSG command in the *SRDF Host Component for z/OS Product Guide*.

EMCQM82I

____DATE______TIME____ CUU_ DV_ CT_ SSID
 _____MESSAGE_____ NNNN RCUU

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

SRDF-HC DISPLAY FOR SQ RDFGRP, . . .

Cause: An #SQ RDFGRP, CUU, . . . command was requested.

Action: None.

More Information: For a complete description of this display, refer to the #SQ RDFGRP command in the *SRDF Host Component for z/OS Product Guide*.

EMCQR02E

QUERY BY RA GROUP - RA GROUP NOT FOUND

Cause: An #SQ RDFGRP, CUU, RA (xx) command was requested, and the RAGROUP# 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:** An #SQ RDFGRP, CUU, . . . command was issued to a Symmetrix running Engenuity level 5x66 or lower.
- Action:** Issue an #SQ Link, CUU, . . . command.
- EMCQR05I** NO DATA AVAILABLE - COMMAND DONE
- Cause:** An #SQ RDFGRP command was issued, requesting the RDF Group information; however, the Symmetrix cannot currently report on the information. Most likely, all of the links are offline.
- Action:** Bring the links online, and retry the command.
- EMCQR06E** QUERY FOR SRDFA - SRDFA NOT FOUND
- Cause:** An #SQ SRDF/A command was issued to a box without SRDF/A.
- 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 requested.
- Action:** None.
-
- More Information:** For a complete description of this display, refer to the #SQ SSID command in the *SRDF Host Component 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 SUPPORTED DIRECTOR TYPES FOUND
- Cause:** An #SQ DSTAT command was requested, but no director statistics were returned.
- Action:** Issue an #SQ CNFG command to determine the microcode level and the director configuration. If the problem persists, contact EMC technical support for assistance.
- EMCQT02I** REQUESTED DIRECTOR NOT FOUND
- Cause:** An #SQ DSTAT command was requested for a specific director #, but the specified director was not found.
- Action:** Issue an #SQ CNFG command to determine the microcode 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. If the problem persists, contact EMC technical support for assistance.
- 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 host component was unable to find a suitable device to direct I/O.
- Action:** Check to see if any devices are online for the Symmetrix.
- EMCQT06E** BAD RDF GROUP OR MULTIHOP LIST SPECIFIED
- Cause:** A remote #SQ DSTAT command was requested, but the RDF group or multihop list was bad.
- Action:** Check the command to see if the RDF 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.

More Information: For a complete description of this display, refer to the #SQ VOL command in the *SRDF Host Component for z/OS Product Guide*.

EMCQV01I SRDF-HC DISPLAY FOR (7) ¢¢SQ STATE, 6C00
 DVA|_SYM_ | |SYS|W S A L R T I D A N| R1 | R2 | SY
 SYS|DEV RDEV GP|VOLSER|STAT|R N D N N G T O
 C/|MR|INVTRK|INVTRK| %
 | | | |T C C R R T A M T R| | | |
 6C00 0000 02C0 15 OFFLINE OFFL W SY A1 0
 0**
 END OF DISPLAY

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: Contact the EMC Customer Support Center for technical assistance.

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: Contact the EMC Customer Support Center for technical assistance.

- 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** NUMBER OF REQUESTED VOLUMES EXCEEDS CONTROL UNIT BOUNDARY
- Cause:** An #SQ VOL, p1, p2 command was issued with p1=cuu and p2=count parameters. The count exceeds the number of volumes in the control unit.
- Action:** None.
- EMCQV09E** STARTING DEVICE NUMBER EXCEEDS CONTROL UNIT BOUNDARY
- Cause:** Either an #SQ VOL, #SQ MIRROR, or #SQ RAID command was issued with the starting-device-number option, or the specified number is out of the range of define device numbers for the Symmetrix.
- Action:** Issue an #SQ VOL command to determine the valid device number range for the Symmetrix, and re-enter the command.
- EMCQV10I** MVS TO SYM RELATIONSHIP NOT MADE, DEFAULT TO FIRST DEVICE
- Cause:** An #SQ VOL, p1, p2 command was issued with p1=cuu and p2=count parameters. During the processing of this command, the system is unable to determine the Symmetrix 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 VOL, p1, p2 command was issued with p1=cuu and p2=INV_TRK parameters, 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 written in response to an #SQ MIRROR command.
Action: None.
- EMCQV17I** SRDF-HC DISPLAY FOR #SQ RAID, ...
Cause: This message is written 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 displayed in response to an #SQ RAID5 command.
Action: None.
- EMCQV21I** NO RAID GROUPS FOUND
Cause: An #SQ RAID command was issued, and there are no RAID groups in the specified Symmetrix.
Action: Issue an #SQ VOL or #SQ MIRROR command for this Symmetrix, or choose another Symmetrix for the #SQ RAID 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.

EMCQV23I REQUESTED QUERY NOT SUPPORTED AT THIS MICROCODE LEVEL

Cause: An #SQ RAID or #SQ MIRRORS command was issued, and the specified Symmetrix is below Engenuity level 5x64.

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 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 Symmetrix that does not contain any RAID10 devices.

Action: None.

EMCQV30E QUERY BY VOL FOR SRDFA REQUESTED - SRDFA NOT FOUND

Cause: An #SQ SRDFA_VOL command was issued to a box without SRDF/A.

Action: None.

EMCQV31E EMCQV31I|SRDF-HC DISPLAY FOR (6) ¢¢SQ
SRDFA_VOL, 6C00

```
DV_ADDR | _SYM_ | | ACTIVE | INACTIVE |
SYS CH|DEV RDEV GP|VOLSER|CYCLE SIZE | CYCLE SIZE |
dddd 00 0000 symd rg OFFLINE 0 0
```

Cause: An #SQ SRDFA_VOL command was issued.

Action: None.

EMCQV90I

NO DEVICES FOUND WITH A STATE OF NNN

Where *NNN* can be any one of the following: R/W, R/O, N/R, RNR, TNR, RWD, SY, SS, AW, AD, IT, D, R, R1, R2, ML, RS, L1, L2, BC, B1, B2, DR, RAG, ITA, LNR, FBA, V.

Cause: A command was issued with a specified state parameter, and the requested state was not found.

Action: Depending on what is being requested, there may or may not be any action. The message informs you know 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(ragroup#) 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(ragroup#) ending parenthesis “)” was missing.

Action: Add the ending parenthesis to the RA(ragroup#).

EMCRS00E

RESET HOST SCRATCH AREA REQUEST ABORTED RSN= xx

Cause: A RESET_HOST_SCRATCH command was issued, and the command failed. The RSN indicates the reason for the failure.

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

EMCRS01I

RESET HOST SCRATCH AREA COMPLETED SUCCESSFULLY

Cause: A RESET_HOST_SCRATCH command was issued, and the command completed successfully.

Action: None.

- 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: Contact the EMC Customer Support Center for technical assistance.
- 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: Contact the EMC Customer Support Center for technical assistance.
- 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 vvvvvv.
Action: Respond CONTINUE to do the RESET_HOST_SCRATCH, or CANCEL to terminate.
- EMCRS05R** RESET HOST SCRATCH AREA FOR DEVICE= dddd CAN CAUSE DATA LOSS - CONTINUE OR CANCEL?
Cause: A RESET_HOST_SCRATCH command has been issued to device dddd.
Action: Respond CONTINUE to do the RESET_HOST_SCRATCH, or CANCEL to terminate.
- EMCRS06R** RESET HOST SCRATCH AREA REMOTE FOR DEVICE= dddd USING RAG xx CAN CAUSE DATA LOSS - CONTINUE OR CANCEL?
Cause: A RESET_HOST_SCRATCH was requested for the device found remotely on RAG xx.
Action: Respond CONTINUE to do the RESET_HOST_SCRATCH, or CANCEL to terminate.

- EMCSA00E** RCVT at *address* failed validation
Cause: The RCVT ID does not match the internal ID.
Action: Contact the EMC Customer Support Center for technical assistance.
- EMCSA01E** UNKNOWN ACCESS TYPE
Cause: A SAF check is being prepared, and the access type is not Read or Write.
Action: Contact the EMC Customer Support Center for technical assistance.
- 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 perform a logon at the console.
- EMCSA04E** ACEE AT *address* FAILED VALIDATION
Cause: The ACEE ID is invalid.
Action: Contact the EMC Customer Support Center for technical assistance.
- 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: Contact your system programmer, or your EMC Customer Support Center for technical assistance.

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 either “xxCONTINUE” or “xxCANCEL”.

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 as directed.

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 it exists, contact the EMC Customer Support Center for technical assistance.
2. If it does not exist, restore the load module from your SRDF installation tape. Stop the SRDF task, and then restart it.
3. Contact the EMC Customer Support Center for technical assistance when necessary.

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.

More Information: For a complete description of this display, refer to the #SQ STATE command in the *SRDF Host Component for z/OS Product Guide*.

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.

EMCSR10E UNABLE TO LOCATE REQUESTED SUBSYSTEM

Cause: A command was entered to the batch interface, but the supplied command character(s) do not match an active Host Component subsystem.

Action: Ensure that the Host Component is up and running, and that the correct command character(s) were 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 resubmit the batch program.

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 the Host Component is still active. Look for additional messages in the Host Component log. If the problem persists, contact the EMC Customer Support Center for technical assistance.

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 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: Contact the EMC Customer Support Center for technical assistance.

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 COMMANDS

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 retry the command.

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: Contact the EMC Customer Support Center for technical assistance.

- 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 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 re-enter 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: Contact the EMC Customer Support Center for technical assistance.
- EMCTS03I** MDBS WERE RETREIVED SUCCESSFULLY
Cause: The ISPF interface successfully retrieved information corresponding to the command the user 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: Contact the EMC Customer Support Center for technical assistance.
- EMCTS04I** TIME EXPIRED. ENTER A COMMAND OR ENTERED KEY TO RETRY
Cause: The ISPF interface has unsuccessfully retrieved related information corresponding to the command the user 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 re-enter the correct number.
- EMCTS06E** ERROR OCCURRED WHILE MESSAGES WERE BEING RETREIVED
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 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: Contact the EMC Customer Support Center for technical assistance.

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: Contact the EMC Customer Support Center for technical assistance.

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: Contact the EMC Customer Support Center for technical assistance.

EMCTS12E DEACTIVATION OF MCS CONSOLE FAILED

Cause: The ISPF interface was unable to deactivate an extended MCS console.

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

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 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 a release of the SRDF Host Component is below 3.0.0.

Action: Contact the 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 the SRDF Host Component has been activated, and the command prefix was entered correctly. If the SRDF Host Component is active and the command prefix was entered correctly, contact the EMC Customer Support Center for technical assistance.

EMCTS16E INCORRECT "SSYS ID"

Cause: Validation failed on the "MDB" prefix for message data block.

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

EMCTS18E TABLE DISPLAYED OVERFLOW

Cause: Internal table not large enough to display all BCVs.

Action: Check the EMC FTP site for maintenance to correct the error.

More Information: For instructions on accessing the FTP site, refer to the *SRDF Host Component Product Guide*.

EMCVC00I SRDF-HC DISPLAY FOR

Cause: An #SC BCV command has been issued, and the output from the command is being displayed.

Action: None.

EMCVC01I COMMAND PROCESSED

Cause: The EMCTF batch utility has processed the BCV commands.

Action: None.

EMCVC02E 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 EMC Customer Support Center for technical assistance.

- EMCVC03R** SRDF IS GOING TO PARTIALLY RESTORE FROM BCV *dddd*
REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
- Cause:** An #SC BCV RESTORE command operation has been requested from the BCV device *dddd*.
- Action:** To allow the restore, reply CONTINUE; otherwise, reply CANCEL.
- EMCVC04R** SRDF IS GOING TO FULLY RESTORE DEVICE *dddd* REPLY
CONTINUE TO PROCEED OR CANCEL TO TERMINATE
- Cause:** An #SC BCV RESTORE command operation has requested for device *dddd*.
- Action:** To allow the RESTORE operation, reply CONTINUE; otherwise, reply CANCEL.
- EMCVC05I** COMMAND ABORTED
- Cause:** The 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 EMC Customer Support Center for technical assistance when necessary.
- EMCVC06R** 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 as directed.
- EMCVC07R** 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 as directed.

- EMCVC08R** 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 as directed.
- 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 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 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.
-
- More Information:** For a complete description of this display, refer to the #SQ BCV command in the *SRDF Host Component Product Guide*.
-

ESWPnnnC *message text*

Where:

ESWP

Specifies the four-character prefix for messages generated by SWAP services and its underlying component, S/DAS.

nnn

Specifies the number of the message.

C

Specifies the class of the message.

message text

Specifies the text of the message.

You can find an explanation of these messages, their causes, and any actions you can take in the *EMC Common SWAP Services Message and Code Guide*.

The *EMC Common SWAP Services Messages and Code Guide* lists these messages with the prefix substitute *pref*. Therefore, to find a SWAP services message generated through the SRDF Host Component in the *EMC Common SWAP Services Messages and Code Guide*, you look up the message by **number** and **class**. For example, to find:

ESWP014E

you look up:

***pref*014E**

More Information: Refer to *Message Prefixes* in Chapter 1 of the *EMC Common SWAP Services Message and Code Guide*.

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Customer Support

This appendix reviews the EMC process for detecting and resolving software problems, and provides essential questions that you should answer before contacting the EMC Customer Support Center.

This appendix covers the following topics:

- ◆ Overview of Detecting and Resolving Problems A-2
- ◆ Troubleshooting the Problem A-3
- ◆ Before Calling the Customer Support Center A-4
- ◆ Documenting the Problem A-5
- ◆ Reporting a New Problem A-6
- ◆ Sending Problem Documentation A-7

Overview of Detecting and Resolving Problems

EMC software products are supported directly by the EMC Customer Support Center.

EMC uses the following process to resolve customer problems with its software products (Figure A-1).

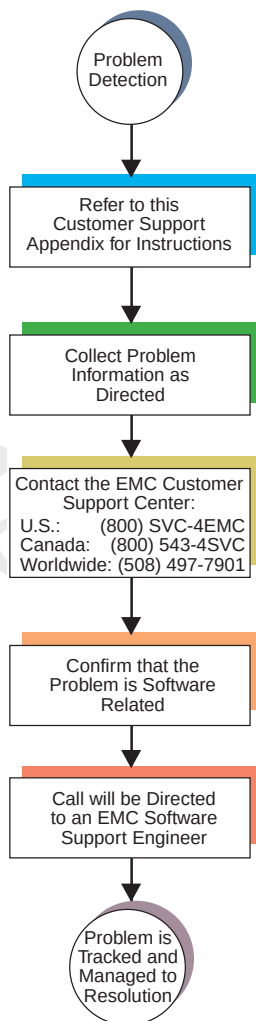


Figure A-1 Problem Detection and Resolution Process

Troubleshooting the Problem

Please perform the relevant diagnostic steps before you contact the EMC Customer Support Center:

1. Read the documentation carefully.
2. Reconstruct the events leading up to the problem and describe them in writing.
3. Run some test cases to reproduce the problem.

If you encounter a problem that requires technical programming or analysis, call the nearest EMC office or contact the EMC Customer Support Center at one of the following numbers:

United States: **(800) 782-4362 (SVC-4EMC)**

Canada: **(800) 543-4782 (543-4SVC)**

Worldwide: **(508) 497-7901**

Please do not request a specific support representative unless one has already been assigned to your particular system problem.

For additional information on EMC products and services available to customers and partners, refer to the EMC Powerlink website at:

<http://powerlink.emc.com>

Before Calling the Customer Support Center

Have the following information available before calling the Customer Support Center or your support representative (if one has been assigned to you):

- ☐ Your company name
- ☐ Your name
- ☐ Your phone number
- ☐ For an existing problem, the problem tracking system ID, if one was previously assigned to the problem by a support representative
- ☐ For an MVS problem, the JESLOG, SYSPRINT, all STDOUT DD members of the server job output and similar output for the client, and the relevant portion of the SYSLOG

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Documenting the Problem

If the EMC Customer Support Center requests information regarding the problem, please document it completely, making sure to include the following information:

- ☐ Your company name and address
- ☐ Your name
- ☐ Your telephone number
- ☐ The importance of the problem, so that it can be assigned a priority level

To expedite the processing of your support request, you can photocopy this list and include it with the package.

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Reporting a New Problem

For a new problem, please provide the following information:

- ☐ Release and maintenance level of the software that you are running, including ResourcePak Base
- ☐ Software installation parameters
- ☐ Host type on which you are running
- ☐ Operating system you are running and its release number
- ☐ Functions of the software that you are running
- ☐ Whether you can reproduce the problem
- ☐ Previous occurrences of the problem
- ☐ Whether the software has ever worked correctly
- ☐ Time period that the software did work properly
- ☐ Conditions under which the software worked properly
- ☐ Changes to your system between the time the software worked properly and the problem began
- ☐ Exact sequence of events that led to the system error
- ☐ Message numbers and complete text of any messages that the system produced
- ☐ Log file dated near the time the error occurred
- ☐ Results from tests that you have run
- ☐ Other related system output
- ☐ Other information that may help solve the problem

Sending Problem Documentation

Use one of the following methods to send documentation of the problem to the EMC Customer Support Center:

- ◆ E-mail
- ◆ FTP
- ◆ U.S. Mail to the following address:

EMC Customer Support Center
171 South Street
Hopkinton, MA 01748-2208

If the problem was assigned a number or a specific support representative, please include that information in the address as well.

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This glossary contains terms related to the Symmetrix Remote Data Facility. Many of these terms are used in this manual.

A

Adaptive Copy - Disk Mode (AD)

An SRDF mode of operation that stores new data for a remotely mirrored pair on the source volume of that pair as invalid tracks until it can be successfully transferred to the target volume. A “skew” parameter associated with this mode indicates the maximum number of tracks that can be out of synchronization between the two volumes at any given time. This skew parameter value is set at the device level in Symmetrix units at microcode level 5061 and later and can range from 1 to 65,535 (decimal). In Symmetrix units at microcode level 5060, this skew parameter value is set at the controller level and is the same for all remotely mirrored pairs configured for the Adaptive Copy mode. This skew value can range from 1 to 999,999 (decimal).

Adaptive Copy - Write Pending mode (AW)

An SRDF mode of operation that stores new data for a remotely mirrored pair in the cache of the local Symmetrix unit until it can be successfully written to both the source and target volumes. A “skew” parameter associated with this mode determines the maximum number of write pendings that can exist for a remotely mirrored pair. (There is a skew value for each remotely mirrored pair configured for the Adaptive Copy mode in Symmetrix units at microcode level 5061 and later.) This skew parameter is set at the device level and can range from 1 to 65,535 (decimal).

B**Business Continuance
Volume (BCV)**

A new mirror that can be established and then split from its mirror and addressed separately.

C**Cache**

Random access electronic storage used to retain frequently used data from disk for faster access by the channel.

Channel Director

The component in the Symmetrix subsystem that interfaces between the host channels and data storage. It transfers data between the channel and cache.

D**Destage**

The asynchronous write of new or updated data from cache to disk device.

Device

A uniquely addressable part of the Symmetrix subsystem that consists of a set of access arms, the associated disk surfaces, and the electronic circuitry required to locate, read, and write data.

Device Address

The hexadecimal value that uniquely defines a physical I/O device on a channel path in an MVS environment.

Device Number

The value that logically identifies a disk device in a string.

Diagnostics

System level tests or firmware designed to inspect, detect, and correct failing components. These tests are comprehensive and self-invoking.

Disk Director

The component in the Symmetrix subsystem that interfaces between cache and the disk devices.

Domino Attribute

An optional feature for source volumes. When enabled, this feature causes a source volume to become not ready to its host and all I/O activity ceases with that volume if the target volume fails or a link failure occurs. When the fault condition is corrected, the user must manually make the source volume ready. This feature ensures that a remotely mirrored pair is always synchronized.

Dynamic Sparing

A Symmetrix feature that automatically transfers data from a failing disk device to an available spare disk device without affecting data availability. This feature supports all devices in the Symmetrix subsystem.

F

Fast Write In Symmetrix, a write operation at cache speed that does not require immediate transfer of data to disk. The data is written directly to cache and is available for later destaging.

G

Gigabyte (GB) 10^9 bytes.

I

Identifier (ID) A sequence of bits or characters that identifies a program, device, controller, or system.

IML Initial microcode program loading.

Invalid Track An invalid track occurs when data is written to a disk track, and that data is not yet reflected on the partner device. The track on the partner device is said to be invalid. In the normal case where the source (R1) and target (R2) volumes are in communication and staying in synch, the updated track is passed to the target device and once it is written there, it is no longer invalid. If the source and target devices are not in communication for some reason, for instance, if the RDF links are disabled, the invalid tracks build up over time. The R1 invalid track count can also be built up if the source (R1) volume is not ready to the host while the link is operational and data is being written to the source (R1) volume. Invalid tracks for the source (R1) volume may also be generated during R2 Read / Write testing. These may be cleared using the procedures outlined in Chapter 5 of the *SRDF Host Component Product Guide*.

Invalid Tracks Attribute An attribute for target volumes. This attribute, when enabled, informs the host if a target volume did not complete synchronization with its source volume at the time of a second link failure.

Invalidate Action for SC VOL command that makes all tracks invalid for a target volume on a source volume.

I/O Device An addressable input / output unit, such as a disk device.

K

Kilobyte (K) 1024 bytes.

Known Device A device that meets at least one of the following criteria and is not specified in the EXCLUDE_DEVICE initialization statement:

- Found online during initialization
- Found online during an #SC GLOBAL SSID_REFRESH command
- Included in a User Defined Group that was found online while processing a group command
- Found because it was used as the MVS device number in an INCLUDE_RAG initialization statement
- Found online or offline because it was used as the MVS device number in an EXCLUDE_SYM initialization statement

L

Link Path A single ESCON Light Emitting Diode (LED) fiber optic connection between the two Symmetrix units. A minimum of two to a maximum of eight links can exist between the two units.

Local Volume A Symmetrix logical volume that is not participating in SRDF operations. All CPUs attached to the Symmetrix may access it for read / write operations. It is available for local mirroring or dynamic sparing operations to the Symmetrix unit in which it resides only.

Logical Volume A user-addressable unit of storage. In the Symmetrix subsystem, the user can define multiple logical volumes on a single physical disk device.

M

Media The disk surface on which data is stored.

Megabyte (MB) 10⁶ bytes.

MII Machine Initiated Interrupt.

Mirroring The Symmetrix maintains two identical copies of a designated volume on separate disks. Each volume automatically updates during a write operation. If one disk device fails, Symmetrix automatically uses the other disk device.

Mirrored Pair A logical volume comprised of two physical devices with all data recorded twice, once on each device.

P

Promotion The process of moving data from a track on the disk device to cache. See also *Stage*.

R

R1 See *Source Volume (R1)*.

R2 See *Target Volume (R2)*.

RA1 Unit In an SRDF configuration, it is the primary data storage subsystem. It initiates many of the SRDF synchronization activities. An SRDF configuration must have at least one RA1 unit and one RA2 unit. See also *RA2 Unit*.

RA2 Unit In an SRDF configuration, this subsystem maintains synchronization with the volumes it is paired with in the RA1 unit. It can serve as an RA1 unit during disaster recovery. An SRDF configuration must have at least one RA1 unit and one RA2 unit. See also *RA1 Unit*.

RAID Redundant Array of Independent Disks

Read Hit Data requested by the read operation is in cache.

Read Miss Data requested by the read operation is not in cache.

Remote Link Director (RLD) Each Symmetrix system requires a minimum of two up to a maximum of eight RLD directors, depending on the Symmetrix model in use. Each RLD manages two ESCON fiber link connections. Each RLD can perform a single I/O at a time to its paired RLD in the remote Symmetrix unit.

S

SAF Security Access Facility.

Semi-synchronous Mode	An SRDF mode of operation that provides an asynchronous mode of operation. Applications are notified that an I/O (or I/O chain) is complete once the data is in the cache of the RA1 Symmetrix unit. Any new data is then written to cache in the RA2 Symmetrix unit. The RA2 Symmetrix unit acknowledges receipt of the data once it is secure in its cache. If source tracks are pending transfer to a target volume, and a second write is attempted to the source, Symmetrix disconnects (nonimmediate retry request), and waits for the pending track to transfer to the RA2 Symmetrix unit.
Source Volume (R1)	A Symmetrix logical volume that is participating in SRDF operations. It resides in the “local” Symmetrix unit. All CPUs attached to the Symmetrix may access a source volume for read / write operations. All writes to this volume are mirrored to a “remote” Symmetrix unit. A source volume is not available for local mirroring operations.
SRDF	Symmetrix Remote Data Facility. SRDF consists of the microcode and hardware required to support Symmetrix remote mirroring.
SSID	Subsystem ID. For 3990 storage control emulations, this value identifies the physical components of a logical DASD subsystem. The SSID must be a unique number in the host system. It should be an even number and start on a zero boundary.
Stage	The process of writing data from a disk device to cache. See also <i>Promotion</i> , <i>Destage</i> .
Storage Control	The component in the Symmetrix subsystem that connects Symmetrix to the host channels. It performs channel commands and communicates with the disk adapters and cache. See also <i>Channel Director</i>
Synchronous Mode	An SRDF mode of operation that ensures 100% synchronized mirroring between the two Symmetrix units. This is a synchronous mode of operation. Applications are notified that an I/O (or I/O chain) is complete when the RA2 Symmetrix unit acknowledges that the data has been secured in its cache.

T**Target Volume (R2)**

A Symmetrix logical volume that is participating in SRDF operations. It resides in the “remote” Symmetrix unit. It is paired with a source volume in the local Symmetrix unit and receives all write data from its mirrored pair. This volume is not accessed by user applications during normal I/O operations. A target volume is not available for local mirroring or dynamic sparing operations.

V**Validate**

Action for #SC VOL command that makes all tracks for a source volume valid on a target volume.

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