StorageTek
Enterprise Library Software

Messages and Codes

Version 7.1

ELS 7.1 Messages and Codes

E35320-01

Contents

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Preface

Oracle's StorageTek Enterprise Library Software (ELS) is a solution consisting of the following base software:

■ Oracle's StorageTek Storage Management Component (SMC)
(includes the product formerly known as StorageTek HTTP Server)

■ Oracle's StorageTek Host Software Component (HSC)

■ Oracle's StorageTek Virtual Tape Control Software (VTCS)

■ Oracle's StorageTek Concurrent Disaster Recovery Test (CDRT)

This publication describes messages and codes issued by ELS base software products; SMC, HSC, VTCS and CDRT. It is intended for storage administrators, system programmers and operators responsible for configuring and maintaining ELS.

Related Documentation

StorageTek Enterprise Library Software (ELS)

- *Introducing ELS*
- *Installing ELS*
- *ELS Syntax Quick Reference*
- *ELS Messages and Codes*
- *ELS Programming Reference*
- *ELS Legacy Interfaces Reference*
- *Configuring HSC and VTCS*
- *Managing HSC and VTCS*
- *Configuring and Managing SMC*
- *ELS Disaster Recovery and Offsite Data Management Guide*

Documentation, Support, and Training

Function	URL
Oracle Home	http://oracle.com
Documentation	http://oracle.com/technetwork/indexes/documentation/index.html
Support	http://www.oracle.com/us/support/044752.html
Training	http://www.oracle.com/global/us/education/sun_select_country.html

Additional Information

Conventions for Reader Usability

Typographic

Some JCL examples in this guide include *italic* type. Italic type is used to indicate a variable. You must substitute an actual value for these variables.

The use of mixed upper and lower case characters for commands, control statements, and parameters indicates that lower case letters may be omitted to form abbreviations. For example, you may simply enter POL when executing the POLicy command.

Control Statements

The standard syntax conventions for control statements are as follows:

- The only valid control statement information area is from column 1 to column 72. Columns 73-80 are ignored.
- Parameters may be separated by one or more blanks or a comma.
- A value is associated with a parameter by an equal (=) sign or by enclosing the value in parentheses, and concatenating it immediately after the parameter.
- Case (upper or lower) is ignored in actual control statements.
- Continuations are supported by including a plus (+) sign at the end of the line to be continued. A control statement is terminated if the statement is not continued.
- /* and */ can be used to enclose comments in the job stream. Comments can be continued over multiple lines, but cannot be nested.

  PARMLIB members **must** include a /*...*/ comment as the **first** control statement. Otherwise, the old format is assumed. Comments in the old format must begin with an asterisk (*) in column 1.

  For definition data sets (e.g., VOLATTRs, UNITATTRs and TAPEREQs), comments **must** be in the new format (/*...*/).

  - Asterisk (*) comments are **not** allowed.
  - A /*...*/ comment in the first line is **not** required.
- The maximum length for a control statement is 1024 characters.

What's New?

Revision 01

HSC/VTCS Messages

New messages:

```
SLS0183I, SLS0694I, SLS1054I, SLS1008I, SLS1155I, SLS1638I, SLS4228E,
SLS4430I, SLS4617E, SLS4765E, SLS6016D, SLS6997W, SLS7504E, SLS7507I,
SLS7508I, SLS7509I, SLS7510I, SLS7511I, SLS7512E, SLS7513I, SLS7514I
```

Changed messages:

```
SLS0116I, SLS1656E, SLS2640I, SLS2716I, SLS4214E, SLS4409I, SLS4613E,
SLS4682D, SLS4723I, SLS6632I, SLS6635I, SLS6660E, SLS6663I, SLS6821I,
SLS6686I, SLS6772E, SLS6974I
```

Deleted messages:

```
SLS0104D
```

HSC Abend Reason Codes

New HSC subsystem data base module abend reason codes:

```
071F
```

SMC Messages

New messages:

```
SMS0117, SMC0240, SMC0280, SMC0281, SMC0282, SMC0283
```

Message Conventions

ELS messages are designed to help administrators and operators do the following:

- Maintain system performance by monitoring software activity.
- Diagnose and correct system problems that may arise.

This chapter describes formats, descriptions, and variable definitions used in ELS messages.

Message Format

ELS messages are displayed on the console in the following format:

PPPnnnn `message-type message-text`

where:

- *PPP* is a three letter prefix used to identify the software component issuing the message:
  - The SLS prefix identifies an HSC, VTCS, or CDRT message.
  - The SMC prefix identifies an SMC message.
- *nnnn* is the four-character message number.
- *message-type* is a single character used to identify the message type:
  - I identifies an informational message.
  - E identifies a message that requires an eventual action.
  - D identifies a message that requires a decision.
  - A identifies a message requiring an action.
  - W identifies a warning message.

  Note: *message-type* only applies to HSC/VTCS messages.
- *message-text* is the actual text displayed on the job log or system log.

Message Descriptions

This publication provides the following descriptive information for each message:

Message Level

The message level represents a message category. Using the SMC MSGDEF or MSGJOB operator command, the message level is specified in order to control which categories of messages are issued.

- Message level applies **only** to SMC messages.
- Refer to the *ELS Command, Control Statement, and Utility Reference* for more information about the SMC MSGDEF and MSGJOB commands.

Explanation

The explanation describes the message.

System Action

The system action describes how SMC, HSC, or VTCS reacts when a message-triggering event occurs.

User Response

The user response describes how you respond to the message. In many cases, no response is required.

Variable Definitions

Italicized text indicates variable data that is replaced by actual values when messages are issued. Message specific variable data is symbolized as follows:

TABLE 1-1   Variable Data Definitions

Variable Data	Definition
AA	ACSid
AA:LL	LSMid
AA:LL:CC	CAPid
AA:LL:PP:NN	DRIVEid (PP is the panel number [01-10] associated with an LSM, and NN is the drive number [0-19] on the panel)
AA:LL:PP:RR:CC	Cartridge location (LSMid, panel, row and column)
LL	LSM number
n or *D*	decimal value
X	hexadecimal value
various letters (*C*, *N*, *K*, etc.)	variable information (character data)
numbers (*1*, *2*, etc.) (combined with letters)	related variable information i.e., commands *CCCCCCCC1* and *CCCCCCCC2*
{ }	multiple choices
[ ]	optional field (may not appear in message)

HSC, VTCS, and CDRT Messages

This chapter describes messages issued by HSC, VTCS, and CDRT. These messages are identified by the "SLS" prefix.

SLS0000I

command string

Explanation: This message echoes the command string entered by the operator.

System Action: HSC processing continues.

User Response: None.

SLS0001I

Invalid Command *CCCCCCCC*

Explanation: An attempt was made to enter a command (*CCCCCCCC*) that was not a valid subsystem command.

System Action: The command is not executed.

User Response: Enter the correct command.

SLS0002I

Keyword *CCCCCCCC1* must have a value for *CCCCCCCC2* command

Explanation: Keyword *CCCCCCCC1* was entered without a value for the *CCCCCCCC2* command.

System Action: The command is not executed.

User Response: Re-enter the command specifying a value for the keyword.

SLS0003I

No value allowed for keyword *CCCCCCCC1* on *CCCCCCCC2* command

Explanation: Keyword *CCCCCCCC1* for command *CCCCCCCC2* does not allow a value, but a value was entered.

System Action: The command is not executed.

User Response: Re-enter the command keyword without a value.

SLS0004I

CCCCCCCC1 mutually exclusive with *CCCCCCCC2* for *CCCCCCCC3* command

Explanation: Two mutually exclusive parameters (*CCCCCCCC1*, *CCCCCCCC2*) were entered for the *CCCCCCCC3* command. Positional parameters are identified as POS*xx* where *xx* is the position of the parameter. Keyword parameters are identified by their names.

System Action: The command is not executed.

User Response: Re-enter the command eliminating one of the parameters.

SLS0005I

Parameter error on *CCCCCCCC1* for *CCCCCCCC2* command

Explanation: The positional parameter denoted by *CCCCCCCC1* had an invalid syntax for the command.

System Action: The command is not executed.

User Response: Re-enter the correct parameter.

SLS0006I

Syntax error at parm offset *DDDDDDDD* for *CCCCCCCC1* command -----*CCCCCCCCCCCC2*

Explanation: A syntax error was detected for the *CCCCCCCC1* command at parameter offset *DDDDDDDD* for the *CCCCCCCCCCCC2* reason.

System Action: The command is not executed.

User Response: Re-enter the command without the syntax error.

SLS0007I

```
Data Base Status:

CDS         DSN                                 Active
Primary     Primary DSN                         Yes|No
Secondary   Secondary DSN or (not configured)   Yes|No
Standby     Standby DSN or (not configured)     Yes|No
```

Explanation: The configured and active HSC database names are listed.

System Action: HSC processing continues.

User Response: None.

SLS0008I

CCCCCCCC1 name changed from *CCCCCCCC2* to *CCCCCCCC3*

Explanation: The name of a CDS object (record) has been changed. *CCCCCCCC1* can be one of the following:

- ACS
- LSM
- CAP

CCCCCCCC2 shows the old name.

CCCCCCCC3 shows the new name.

System Action: No action, processing continues.

User Response: Informational message, no action required.

SLS0009I

Null is a reserved word and cannot be used

Explanation: An attempt was made to use the reserved word 'NULL' where it is not allowed.

System Action: The command is rejected.

User Response: Choose a different word and resubmit the command.

SLS0010I

Invalid value for *CCCCCCCC1* on *CCCCCCCC2* command

Explanation: The data entered for the specified parameter (*CCCCCCCC1*) is invalid on the *CCCCCCCC2* command.

System Action: The command is not executed.

User Response: Re-enter the command with valid data.

SLS0011I

Mandatory parameter *CCCCCCCC1* missing for *CCCCCCCC2* command

Explanation: A command (*CCCCCCCC2*) was entered without a mandatory parameter (*CCCCCCCC1*).

System Action: The command is not executed.

User Response: Re-enter the command with the mandatory parameter.

SLS0012I

LIST   ID   NAME

Explanation: Output from the NAME LIST command

System Action: No action, processing continues.

User Response: Informational message, no action required.

SLS0013I

```
Command CCCCCCCC not implemented
```

Explanation: A valid subsystem command was entered, but the command has not been installed.

System Action: The command is not executed.

User Response: Contact StorageTek Software Support.

SLS0014I

```
Keyword CCCCCCC1 specified more than once for the CCCCCCC2
command
```

Explanation: A duplicate occurrence of the keyword CCCCCCC1 was found for the specified command. The keyword is allowed only once in the command syntax.

System Action: The command is not executed.

User Response: Correct the command and re-enter.

SLS0015I

```
Host to Host Broadcast failed for MODIFY command; RC=XXXXXXXX
```

Explanation: An attempt was made to broadcast a command to all online hosts. The broadcast failed.

System Action: The command is not executed.

User Response: Save the return code (*XXXXXXXX*) printed in the message, and contact StorageTek Software Support.

SLS0016I

```
ACS subsystem command rejected; ASCOMM RC=XXXXXXXX
```

Explanation: An attempt to enter an ACS subsystem command was not processed due to a failure in the address space communication component of HSC.

System Action: The command is not executed.

User Response: Save the return code (*XXXXXXXX*) printed in the message, and contact StorageTek Software Support.

SLS0017I

```
MODIFY command failed; LSM lock not available
```

Explanation: The LSM lock is a software construct used to serialize changes to the state of an LSM. There is one LSM lock for each LSM defined in the LIBGEN.

The LSM lock is held by the HSC "MODify lsm" command during ONLINE/OFFLINE processing, and by the Configuration Control initialization task during HSC subsystem startup.

Message SLS0017I is issued when another MODify command for the same LSM is already in process, either on this host or on some other host in the system. The previous MODify command may be active, or it may be queued waiting for the LSM to become ready.

This message may also be issued if Configuration Control initialization is in process on another host in the system.

System Action: The command is not executed.

User Response: Wait a few seconds for any queued commands to complete, or for HSC subsystem initialization to complete on any other hosts in the system, and then reissue the command.

If the problem persists, issue the HSC Display Request command. If the command output indicates any requests with a type of "Vary lsm" and a status of "WAITING" or "TEMP OUT", there may be a hardware problem with the LSM. Investigate the LSM to ensure that it is in a ready state and communicating with HSC.

If the hardware problem cannot be corrected immediately, you may need to issue the HSC command "MODify lsm OFFline FORCE". After the hardware problem has been corrected, you may issue another MODify command to bring the LSM online.

Following a MODify lsm OFFline FORCE command, message SLS0057I may be displayed, indicating return code 45344534 from SLSFCONF. This message is issued because the LSM lock held by an active or queued MODify command was "stolen" by the MODify FORCE command; the message may be ignored.

Note – Use the MODify lsm OFFline FORCE command with extreme caution. If an LSM is forced offline, all outstanding requests to the LSM are purged, and the LSM may need to be IMLed.

SLS0018I

```
Invalid keyword CCCCCCCC1 for CCCCCCCC2 command
```

Explanation: The keyword (*CCCCCCCC1*) entered for the specified command (*CCCCCCCC2*) was either invalid or greater than eight characters in length.

System Action: The command is not executed.

User Response: Re-enter the command with the correct keyword.

SLS0019I

```
DISPLAY data unavailable; database I/O error
```

Explanation: An attempt was made to enter a Display command, but a control data set error occurred while gathering information.

System Action: The command is rejected. However, some information may be displayed if available.

User Response: Determine the cause of the control data set error and correct it. Then re-enter the command.

SLS0020I

```
CCCCCCCC1 co-requisite CCCCCCCC2 missing for CCCCCCCC3 command
```

Explanation: A parameter (*CCCCCCCC1*) co-requisite with another parameter (*CCCCCCCC2*) was not entered on the *CCCCCCCC3* command.

System Action: The command is not executed.

User Response: Re-enter the command with the correct co-requisite parameters.

SLS0021I

```
Value for CCCCCCCC1 parameter contained invalid data for
CCCCCCCC2 command
```

Explanation: The value entered for this parameter (*CCCCCCCC1*) was invalid (e.g., HEX rather than NUMERIC) for the *CCCCCCCC2* command.

System Action: The command is not executed.

User Response: Re-enter the command with the correct value.

SLS0022I

```
Invalid value length for CCCCCCCC1 parameter on the CCCCCCCC2
command
```

Explanation: The value entered for this parameter (*CCCCCCCC1*) exceeded its length specification for the *CCCCCCCC2* command.

System Action: The command is not executed.

User Response: Re-enter the command with the correct value.

SLS0023I

```
Invalid {CCCCCCC} range (CCCCCC-CCCCCC) for {CCCCCCCC} command
```

Explanation: An attempt was made to enter the *CCCCCCCC* command with an invalid range. The second element was not greater than the first, or, in the case of a CAP range, a PCAP was specified.

System Action: The command may not be executed in some cases. In other cases, the command is executed, ignoring the invalid portion.

User Response: Re-enter the command specifying a valid range where the second element is greater than the first; and, if a CAP range, neither CAPid specifies a PCAP.

SLS0024I

```
EJECT volser volser ignored; volume is {SELECTED|ERRANT|NOT
FOUND|NOT IN ACS|IN OFFLINE LSM|INVALID}
```

Explanation: An EJect command was entered for a volume which was
SELECTED|ERRANT|NOT FOUND|NOT IN ACS|IN OFFLINE LSM|INVALID
and could not be recovered.

SELECTED	indicates that the volume was in use when an eject was attempted, e.g. the volume could have been mounted. If the volume is erroneously selected, run the UNSElect utility prior to re-entering the command.
ERRANT	indicates that a volume was being moved from one location to another when an error occurred. The location of the volume is unknown. Since the volume was errant, it may be necessary to take other actions such as (1) running an audit against the cell location, (2) checking the CAP and previous MSP SYSLOGs/SCP CONSLOGs to find reasons for the volume becoming errant, (3) investigating the various locations with the VIew command relating to the actions being taken.
NOT FOUND	indicates that the volume does not reside within any LSM. Check other non-library storage locations.
NOT in ACS	indicates that the volume does not reside in the same ACSas the CAP. Enter an EJect command specifying a CAP in appropriate ACS. Determine the location of the volume by using the Display Volume command.
OFFLINE LSM	indicates that the volume resides in an LSM that is offline.
INVALID	indicates that the volume has an invalid volume serial label or media label. The eject continues.

System Action: An INVALID volume is ejected. For all other conditions, the volume
is not ejected.

User Response: If the volume is:

SELECTED	wait until volume becomes unselected, and re-enter the command.
ERRANT	invoke errant recovery to locate the volume, and re-enter the command.
NOT FOUND	no response.
NOT in ACS	determine what ACS contains the volume, and re-enter the EJect command specifying the correct CAPid.
OFFLINE	bring the LSM online, and re-enter the command.
INVALID	no response.

SLS0025I

Command *CCCCCCCC* not allowed from console

Explanation: A command was issued to the HSC system that is not a valid console command, but can be executed from a utility.

System Action: The command is not processed.

User Response: Use the Display CMD *CCCCCCCC* to determine the valid environments for HSC and VTCS commands. Run the SLUADMIN utility to execute commands that are not valid from the console.

SLS0028I

Volume *volser* {ENTER│EJECT} error; {ACS IN PATH OFFLINE│ LSM IN PATH OFFLINE│CAP IN PATH OFFLINE│CAP IN PATH INVALID│ CARTRIDGE MADE ERRANT}

Explanation: Volume *volser* encountered a command {ENter│EJect} error due to either a CAP IN PATH OFFLINE or an LSM IN PATH OFFLINE or a CAP IN PATH OFFLINE or A CAP IN PATH INVALID or a CARTRIDGE MADE ERRANT situation.

System Action: The command continues without operating on volume *volser*.

User Response: Correct the cause of the error.

SLS0029I

CAP preference value for CAPid *AA:LL:CC* = *D*

Explanation: The CAPPref command has completed execution. Preference value is set as shown.

System Action: HSC processing continues.

User Response: None.

SLS0030I

Message ID *DDDD* Help Info:

Explanation: A Display Msg command was entered. The data following the control (first) line is information about the message ID entered on the Display Msg command.

System Action: HSC processing continues.

User Response: None.

SLS0031D

CCCCCCCC command in progress; to continue termination reply
DRAIN, else reply WAIT

Explanation: Operator command termination discovered one or more active tasks
using a CAP. These were identified in previous SLS2628E messages. You can reply
DRAIN to cause HSC to DRAIN all these tasks immediately, or WAIT to allow them
to finish normally.

If you respond WAIT, this message reappears in three minutes, along with SLS2628E
messages describing tasks still active. If you respond DRAIN, HSC acts as if you had
entered a DRAin command for each task. SLS2628E messages describing active tasks
appear every three minutes, but no more SLS0031D messages are issued.

An EJect stops after processing the current tape for each CAP, and the task ends once
the CAPs are opened, emptied and closed. An ENter stops only when it has
processed all cartridges in the CAP.

System Action: The task waits for you to reply DRAIN or WAIT.

User Response: Issue a Display Status command to determine any outstanding
actions. Reply DRAIN or WAIT.

SLS0032I

Operator Command Termination in progress

Explanation: Operator Command Termination is waiting for a command to
terminate before continuing.

System Action: Termination waits for the operator command to complete.

User Response: Also, issue the Display Status command to determine any
outstanding actions.

SLS0033A

Enter password for EJECT command

Explanation: An attempt was made to enter the EJect command, and the "EJCTPAS=
" parameter was specified on the SLILIBRY macro in the HSC LIBGEN. A password
must be entered to continue processing.

System Action: The command waits for a reply. If the password is verified, the
command continues.

User Response: Enter the correct password.

SLS0034I

Password not accepted; *CCCCCCCC* command rejected

Explanation: A command was rejected after an invalid password was entered.

System Action: The command is rejected.

User Response: Re-enter the command specifying the correct password.

SLS0035A

ENTER scheduled on CAPid *AA*:*LL*:*CC*

Explanation: A SENter command was entered for CAPid *AA:LL:CC*. The ENter was scheduled. The message is highlighted and remains on the screen until the EJect in progress on the CAP is interrupted and the ENter attempted.

System Action: Unlock the CAP after the next EJect to allow user to enter a cartridge.

User Response: Place the cartridge required in the first slot of the CAP the next time the CAP is opened for ejecting.

SLS0036I

{ENTER|EJECT} ended on CAPid *AA*:*LL*:*CC*

Explanation: The command released control of CAPid *AA:LL:CC*.

System Action: The CAP is made available for other operations.

User Response: None.

SLS0037I

CAPid *AA*:*LL*:*CC* has been allocated to the {ENTER|EJECT} command

Explanation: The specified CAPid *AA:LL:CC* was allocated to either the ENter or EJect command.

System Action: The CAP is allocated to perform the operation indicated.

User Response: None.

SLS0038I

Message ID *DDDD* No help available

Explanation: A Display Msg command was entered, but no help text was available for the message number.

System Action: HSC processing continues.

User Response: None.

SLS0040I

{ENTER|EJECT|MODIFY|RELEASE} command rejected; CAPid *AA*:*LL*:*CC* is busy

Explanation: The HSC attempted to execute an ENter, EJect, MODify, or RELease command for a specific CAPid (*AA:LL:CC*), but the CAP was busy.

System Action: The EJect, ENter, MODify, or RELease command is rejected.

When the command specified is EJect, ENter, or MODify, another process is actively using the CAP. Re-enter the command when the CAP becomes available or re-enter the command specifying a different CAPid.

When the command specified is RELease, another RELease command is active or another process is releasing the CAP.

SLS0041I

Command *CCCCCC* Help Info:

Explanation: A Display CMd was entered. The data following the control (first) line is information about the specified command (*CCCCCC*).

System Action: HSC processing continues.

User Response: None.

SLS0042I

{ENTER|EJECT} *volser* failed; LMU/LSM error (*XXXX*)

Explanation: An attempt to ENter or EJect volume *volser* failed. Possible LMU/LSM errors are:

6510 - No pass-thru port for transfer
6511 - LMU offline
6512 - Lost communication with LMU
6514 - LSM hardware error
6515 - LMU hardware error
6528 - LMU Server Dead
6592 - LSM is offline
65FF - Request purged

System Action: The action in progress (ENter, EJect) will not complete. The cartridge may be made errant depending on the point at which the failure occurred.

User Response: Determine cause of error, correct it, and retry.

SLS0045I

CCCCCCCC command ignored; subsystem is shutting down

Explanation: Command *CCCCCCCC* was not executed due to subsystem termination in progress.

System Action: The command is ignored.

User Response: Once the HSC is operational, re-enter the command.

SLS0046I

RECOVER *CCCCCCCC* ignored; recovery already active for specified host

Explanation: A RECover command was entered for a host that is currently being recovered by another host.

System Action: The RECover command is ignored.

User Response: None.

SLS0047I

ONLINE or OFFLINE required on {VARY|MODIFY} command

Explanation: The Vary or MODify command was entered without specifying ONline or OFFline.

System Action: The command is not executed.

User Response: Re-enter the desired command specifying ONline or OFFline.

SLS0048I

```
Vary {ACS AA|station C...C} {ONLINE|OFFLINE} failed; command
timed out
```

Explanation: The Vary Station command timed out, or Vary ACS command timed out for all stations. Most likely a hardware or communication error occurred.

System Action: The Vary command failed.

User Response: Correct communication problems with the hardware (LMU) and retry the command.

SLS0049I

```
CCCCCCCC1 set to CCCCCCCC2
```

Explanation: The function specified on the command has been set to the indicated value. *CCCCCCCC1* is the function entered on the command. *CCCCCCCC2* is the value entered on the command.

System Action: HSC processing continues.

User Response: None.

SLS0050I

```
Invalid {DEVICE XXXX|UNIT XXXX|STATION XXXX|LSMid AA:LL|
ACSid AA|CAPid AA:LL:CC|DISPLAY TYPE CCCCCCCC|HOSTid CCCCCCCC}
for
{ACS|CAPPREF|CLEAN|DISMOUNT|DISPLAY|DRAIN|LSM|MODIFY|MOUNT|MNTD
|  RECOVER|RELEASE|SENTER|VARY} command
```

Explanation: The command entered contained an invalid ID.

System Action: The command is not executed.

User Response: Re-enter the command specifying the correct ID.

SLS0053I

```
{MODIFY|VARY|ENABLE|DISABLE|JOURNAL} rejected; {LSMid AA:LL|ACS
AA|STation C...C|DATA SET DSNAME|EVERY CDS COPY|ABEND OPTION|
CONTINUE OPTION}is already {ONLINE|OFFLINE|ENABLED|DISABLED|ON}
```

Explanation: An attempt was made to enter a MODify|Vary|Enable|Disable|Journal request for a LSMid|ACS|STation|CDs|OPTion that was already ONline|OFFline|Enabled|Disabled|ON.

System Action: The command is rejected.

User Response: None.

SLS0054I

CC..CC1 CC..CC2 now *CC..CC3*

Explanation: This message displays connected/disconnected, online/offline, or standby status of an ACS, LSM, Station, or CAP.

CC..CC1	ACS, LSM, STATION, or CAP
CC..CC2	ACSid, LSMid, Station Number, or CAPid
CC..CC3	CONNECTED means at least one station is online to the ACS indicated. DISCONNECTED means that no stations are online to the ACS indicated. ONLINE means that a station can be used for transmitting work to the LMU or that an LSM can be requested to perform work for the HSC or that a CAP is now available for ENter or EJect processing. STANDBY means that a station is connected to the slave LMU in a Dual LMU configuration. OFFLINE means that a station or an LSM cannot be used for productive work.

System Action: An operator command caused the named component to assume the state indicated.

User Response: None.

SLS0055I

{ENTER|MODIFY|EJECT|DISPLAY LSM} rejected; ACSid *AA* is not CONNECTED

Explanation: An attempt was made to enter a command to an offline ACS (*AA*).

System Action: The command is rejected.

User Response: Issue a Vary command to bring the ACS online and re-enter the command.

SLS0056I

{ENTER|SENTER|EJECT} rejected; {ACSid *AA*}|{LSMid *AA:LL*}|{CAPid *AA:LL:CC*}|{TLSM *AA:LL*} is {OFFLINE|INVALID|UNAVAILABLE|NOT EJECTING|RELEASING}

Explanation: The ENter, SENter, or EJect command could not complete the requested operation.

System Action: The command is rejected.

User Response:

- When the message indicates the ACSid, LSMid, or CAPid is offline, vary the element online and then re-enter the command.
- When the message indicates the ACSid, LSMid, or CAPid is invalid, re-enter the command specifying the correct identifier.
- When the message indicates the ACSid, LSMid, or CAPid is unavailable, verify that the CAP is drained before re-entering the ENter or EJect command.
- When the message indicates the CAPid is not ejecting, cartridges may be entered into the ACS by issuing the ENter command.
- When the message indicates the CAPid is releasing, wait until the RELease command has completed before re-issuing the ENter, SENter, or EJect command.

SLS0057I

Unknown RC *XXXXXXXX* from {SLSFCONF SLSFATHS SLSFLSMV LMURQST MRQST CAPRQST}

Explanation: The HSC COMPONENT that is active received a return code from a lower component and was unable to translate it to a message.

System Action: The request is rejected.

User Response: Refer to the appropriate ELS guide for additional information and explanations of the return code(s).

SLS0059I

Cleaning {HAS BEEN│WAS NOT} scheduled for drive *DDD*

Explanation: The CLean command was entered for device number *DDD*. If cleaning WAS NOT scheduled, message SLS0069I is also issued to indicate the reason the cleaning request failed.

System Action: HSC processing continues.

User Response: None.

SLS0060I

Error parsing *CCCCCCCC* command; SLSSPARS RC=*XXXXXXXX*

Explanation: Parse return codes that are not syntax errors are reported this way.

RC = 4	the length of the string passed to the parser to be parsed was 0.
RC = 12	the parameter list passed to the parser had an invalid format.
RC = 16	the parse table passed to the parser had an invalid format.

System Action: The command is not executed. An internal reason code should generate an additional message.

User Response: Retry the command. If it continues to fail, contact StorageTek Software Support.

SLS0061I

Structure *CCCCCCCC1* not allocated; *CCCCCCCC2* command rejected

Explanation: An attempt was made to enter a command (*CCCCCCCC2*) that needed addressability to the specified structure (*CCCCCCCC1*). The structure (data area) pointer was zero. Therefore, no access was possible.

System Action: The command is rejected.

User Response: Re-enter the command with the correct structure name.

SLS0062I

Invalid structure or equate name *CCCCCCCC1*; *CCCCCCCC2* command rejected

Explanation: An attempt was made to enter a command (*CCCCCCCC2*) requiring access to a specific data area. The data area name (*CCCCCCCC1*) was not found in the symbol table.

System Action: The command is rejected.

User Response: Re-enter the command with a correct structure or equate name.

SLS0063I

```
LIST {CCCCCCCC|XXXXXXXX} accepted
```

Explanation: A LIST command was entered for the address or data area named.

System Action: The command lists the data at the address or structure name listed.

User Response: None.

SLS0068I

```
Current TRACE Status:
  component_name {Traced|NOT Traced}
```

Explanation: The TRace command successfully completed. A list of ACS subsystem components and their tracing status is displayed.

System Action: HSC processing continues.

User Response: None.

SLS0069I

```
Host to Host Broadcast failed: CCCCCCCC
```

Explanation: An LMU Server host to host broadcast request was issued as a result of a CLean drive command. The request failed. *CCCCCCCC* is descriptive text indicating the nature of the failure.

System Action: If the failure is recoverable, message SLS0059I is issued to indicate cleaning was not scheduled for the requested device, and CLean command processing continues. If the failure is not recoverable, the CLean command abends with the reason code 0018.

User Response: None.

SLS0070I

```
{ENTER|EJECT} rejected; CAPid AA:LL:CC recovery failed, RC
XXXXXXXX
```

Explanation: An attempt was made to enter either an ENter or EJect command, but the command was rejected because the specified CAP (*AA:LL:CC*) required recovery. The recovery failed with a return code of *XXXXXXXX*.

System Action: The command is rejected.

User Response: Use the RELease CAPid command to regain the CAP. After the release, use the ENter command to open the CAP to check for cartridges. Remove cartridges, if any, from the CAP, and re-enter the previous command (ENter|EJect).

SLS0071I

```
Unexpected RC XXXXXXXX from CCCCCCCC
```

Explanation. An unexpected return code, *XXXXXXXX*, was returned from component *CCCCCCCC*.

System Action. The request is not executed.

User Response. Contact StorageTek Software Support.

SLS0072I

```
EJECT failed; unable to recover errant volume volser
```

Explanation: During EJect processing an errant volume could not be recovered.

System Action: The volume is not ejected.

User Response: Investigate MSP SYSLOGs/SCP CONSLOGs to find the cause of the errant condition. Use the VIew command to look at home and destination locations. Run the AUDIt and/or the UNSElect utility as needed to recover the volume.

SLS0073I

```
Length LLLL is greater than the 4096 byte limit
```

Explanation: An attempt was made to dump more then the limit of 4096 bytes. LLLL is the invalid length.

System Action: The command is terminated.

User Response: Re-enter the LIST command with a valid length.

SLS0076I

```
SLS - software failure - XXXXXXXX volser
```

Explanation: The HSC has detected a software error. The specified error occurred.

If three hexadecimal digits are displayed for XXXXXXXX, the code is a system abend code.

If eight hexadecimal digits are displayed for XXXXXXXX, the code is an HSC abend reason code.

If volser is displayed, it contains the volser being processed. If a question mark is displayed, the volser is unknown.

System Action: An ERDS entry is created, and a dump is produced. Processing of the affected volume stops.

User Response: Save the dump. Contact StorageTek Software Support.

SLS0077I

```
Dismount of volser from {drive XXXX|driveid AA:LL:PP:NN} -
Volume is selected
```

Explanation: An attempt was made to dismount volume volser from transport {XXXX|AA:LL:PP:NN}, where XXXX = drive and AA:LL:PP:NN = driveid, but the volume was already selected.

System Action: The dismount is not executed.

User Response: Issue a library DISMount from the host that mounted the volume, or perform cross-host recovery and issue library DISMount from host that does the recovery.

SLS0078I

```
Dismount of volser from {drive XXXX|driveid AA:LL:PP:NN} -
Volume is errant
```

Explanation: An attempt was made to locate errant volume *volser* during processing of a dismount request for transport{*XXXX* | *AA:LL:PP:NN*}, where *XXXX* = drive and *AA:LL:PP:NN* = driveid. Volume *volser* could not be located.

System Action: The dismount ends.

User Response: None.

SLS0080I

```
Mount of volser on {drive XXXX|driveid AA:LL:PP:NN} - Volume
at AA:LL:PP:RR:CC
```

Explanation: The volume *volser* to be mounted on {*XXXX* | *AA:LL:PP:NN*}, where *XXXX* = drive and *AA:LL:PP:NN* = driveid, was located at *AA:LL:PP:RR:CC* (LSMid:panel number:row number:column number).

System Action: The mount continues.

User Response: None.

SLS0081I

```
Volume volser found mounted on {drive XXXX|driveid
AA:LL:PP:NN} - attempting dismount
```

Explanation: The HSC found volume *volser* mounted on transport {*XXXX* | *AA:LL:PP:NN*}, where *XXXX* = drive and *AA:LL:PP:NN* = driveid, when it attempted to mount another volume. If the volume on the drive has an unreadable label, *volser* is displayed as a question mark.

System Action: The mount continues. The HSC attempts to dismount the mounted volume.

User Response: None.

SLS0082I

```
Mount of volser on {drive XXXX|driveid AA:LL:PP:NN} - LSMid
AA:LL is in manual mode; manual mount is required
```

Explanation: An attempt was made to mount volume *volser* on transport {*XXXX* | *AA:LL:PP:NN*}, where *XXXX* = drive and *AA:LL:PP:NN* = driveid, but the specified LSM *AA:LL* was in manual mode. A manual mount is required.

System Action: The mount fails.

User Response: Manually mount the volume.

SLS0083I

```
Mount of volser on {drive XXXX|driveid AA:LL:PP:NN} - ACS AA
is disconnected; library mount is required
```

Explanation: An attempt was made to mount volume *volser* on transport {*XXXX* | *AA:LL:PP:NN*}, where *XXXX* = drive and *AA:LL:PP:NN* = driveid, but the specified ACS *AA* was disconnected.

System Action: The mount fails.

User Response: Enter the library Mount command from a host that is connected to the ACS.

SLS0085I

```
Dismount of volser from {drive XXXX|driveid AA:LL:PP:NN} - ACS
AA is disconnected; library dismount command is required
```

Explanation: An attempt was made to dismount volume *volser* from transport {*XXXX*|*AA:LL:PP:NN*}, where *XXXX* = drive and *AA:LL:PP:NN* = driveid, but the specified ACS *AA* was disconnected.

System Action: The dismount fails.

User Response: Enter the library DISMount command from a host that is connected to the ACS.

SLS0086I

```
Dismount of volser from {drive XXXX|driveid AA:LL:PP:NN} -
LSMid AA:LL is in manual mode; manual dismount is required
```

Explanation: An attempt was made to dismount volume *volser* from transport {*XXXX*|*AA:LL:PP:NN*}, where *XXXX* = drive and *AA:LL:PP:NN* = driveid, but the specified LSM *AA:LL* was in manual mode. A manual dismount is required.

System Action: The dismount fails.

User Response: Manually dismount the volume, and remove it from the LSM.

SLS0087I

```
Dismount of volser from {drive XXXX|driveid AA:LL:PP:NN} -
Volume is not on drive
```

Explanation: The HSC attempted to dismount a volume *volser* from transport {*XXXX*|*AA:LL:PP:NN*}, where *XXXX* = drive and *AA:LL:PP:NN* = driveid, but either the drive is empty or a different cartridge is mounted.

System Action: The dismount fails.

User Response: Issue the Display DRives command to determine what volume, if any, is currently mounted on the drive. If the current volume is to be dismounted, issue the HSC DISMount command.

SLS0088D

```
Mount of volser on {drive XXXX|driveid AA:LL:PP:NN} -
Intervention required; Mount or Ignore (M/I)
```

Explanation: An attempt was made to mount volume *volser* on transport {*XXXX*|*AA:LL:PP:NN*}, where *XXXX* = drive and *AA:LL:PP:NN* = driveid, but operator intervention was required (e.g., IEC512I I/O ERR on this drive).

System Action: The mount waits until you reply M or I.

User Response: Reply with one of the following:

M	If the mount is to continue.
I	If the mount is to be ignored. The HSC leaves the mount pending.

SLS0089E

```
Dismount of volser from {drive XXXX|driveid AA:LL:PP:NN} -
Unable to allocate cell in ACS AA
```

Explanation: An attempt was made to dismount volume *volser* from specified transport {*XXXX*|*AA:LL:PP:NN*} where *XXXX* = drive and *AA:LL:PP:NN* = driveid, but there were no free cells in ACS *AA*.

System Action: The dismount fails.

User Response: Free a cell (via EJect), and re-enter the DISMount command.

SLS0090I

```
Dismount of volser from {drive XXXX|driveid AA:LL:PP:NN} -
Unable to insert volume in the database
```

Explanation: An attempt to dismount volume *volser* from specified transport{*XXXX*|*AA:LL:PP:NN*} where *XXXX* = drive and *AA:LL:PP:NN* = *DRIVE* id failed because the volume could not be inserted in the control data set.

System Action: The dismount fails.

User Response: Verify that there is not a duplicate in the control data set, and re-enter the DISMount command.

SLS0091I

```
Dismount of volser from {drive XXXX|driveid AA:LL:PP:NN} -
Complete
```

Explanation: The dismount of *volser* from specified transport{*XXXX*|*AA:LL:PP:NN*} where *XXXX* = drive and *AA:LL:PP:NN* = DRIVEid is complete. Receiving this message does not necessarily indicate that the dismount was successful.

System Action: Normal processing continues.

User Response: None.

SLS0092I

```
Swap of volser to {drive XXXX|driveid AA:LL:PP:NN} -
LSMid AA:LL is in manual mode; manual mount is required
```

Explanation: An attempt was made to swap volume *volser* to specified transport {*XXXX*|*AA:LL:PP:NN*} where *XXXX* = drive and *AA:LL:PP:NN* = DRIVEid, but LSM *AA:LL* was in manual mode. Therefore, a manual mount is required.

System Action: The swap fails.

User Response: Manually swap the volume.

SLS0093I

```
Swap of volser to {drive XXXX|driveid AA:LL:PP:NN} -
ACS AA is disconnected; library dismount command is required
```

Explanation: An attempt was made to swap volume *volser* on specified transport {*XXXX*|AA:LL:PP:NN}, where *XXXX* = drive and *AA:LL:PP:NN* = driveid, but ACS *AA* was disconnected. Therefore, a library DISMount command is required.

System Action: The swap fails.

User Response: To perform the swap, enter library DISMount command from a host that is connected to the ACS.

SLS0094E

```
Dismount of volser from {drive XXXX|driveid AA:LL:PP:NN} -
DRIVEid is AA:LL:PP:NN
```

Explanation:

System Action: The DISMount command is not executed.

User Response: Manually dismount the volume from the transport, and remove the volume from the LSM.

SLS0096I

```
Dismount of volser from {drive XXXX|driveid AA:LL:PP:NN} -
volume not dismounted
```

Explanation: An attempt was made to dismount volume *volser* from transport{*XXXX|AA:LL:PP:NN*}, where *XXXX* = drive and *AA:LL:PP:NN*= driveid, but an error occurred.

System Action: The dismount fails.

User Response: Correct the error, and re-enter the DISMount command.

SLS0098A

```
Mount of volser on {drive XXXX|driveid AA:LL:PP:NN} - No non-
zero priority CAPs in ACS AA; reply C to cancel wait
```

Explanation: An attempt to permanently or temporarily enter and mount volume *volser* on {*XXXX|AA:LL:PP:NN*}, where *XXXX* = drive and *AA:LL:PP:NN*= driveid, was made when no non-zero priority CAPs were available in ACS *AA*.

System Action: The mount waits until you reply "C" or a CAP becomes available.

User Response: Make a CAP available using the CAPPref command or DRAin an active CAP. If the mount need not be processed, reply "C".

SLS0099I

```
Dismount of volser from {drive XXXX|driveid AA:LL:PP:NN} -
Volume at AA:LL:PP:RR:CC
```

Explanation: The volume *volser* being dismounted from {*XXXX|AA:LL:PP:NN*}, where *XXXX* = drive and *AA:LL:PP:NN*= driveid, is now at location *AA:LL:PP:RR:CC*.

System Action: The dismount continues.

User Response: None.

SLS0101I

```
CCCCCCCC invalid reply
```

Explanation: *CCCCCCCC* is an invalid reply to a WTOR.

System Action: The WTOR is reissued.

User Response: Respond with a valid reply.

SLS0102I

Error parsing XML command input for *CCCCCCCC* command

Explanation: A command received by the system was in XML format (based on the XML start character "less than symbol" in position 1), but a parse error occurred when attempting to parse the XML.

System Action: The command is not processed.

User Response: Investigate the input for malformed XML and correct the command format.

SLS0103E

```
Dismount of volser from {drive XXXX|driveid AA:LL:PP:NN} -
Drive unload error
```

Explanation: An attempt to dismount volume *volser* from transport *XXXX|AA:LL:PP:NN* encountered a drive unload error.

System Action: The dismount fails.

User Response: Correct the error, and enter a library DISMount command for the specified transport and volser.

SLS0105A

```
Dismount of {drive XXXX|driveid AA:LL:PP:NN} -
drive is loaded;  reply I to cancel wait
```

Explanation: An attempt was made to determine the volume serial number for a dismount but the cartridge was loaded on the transport.

System Action: The dismount waits for you to reply.

User Response: If the dismount is to be ignored, reply "I". If the volume is known to be on the drive and not allocated to a job on any processor, unload the volume from the drive. (To unload a drive in MSP, issue an UNLOAD command. To unload a drive in VM, ATTACH the drive to some virtual machine and then DETACH it.) If the drive is in use, let the job finish processing the volume on the drive. If the drive cannot be unloaded due to a malfunction, place the drive offline, contact StorageTek Hardware Support and reply "I" to this message.

SLS0106I

Unrecognized XML tag for *CCCCCCCC* command: *TTT...TTT*

Explanation: An XML command was received that contained XML tags not defined for the command.

System Action: The unrecognized tag is ignored, and the command is processed normally.

User Response: If the XML tag was not coded correctly, correct the tag and re-submit the command.

If the XML tag was not processed due to release or server incompatibility, then no action is required.

SLS0107D

```
Dismount of volser from {drive XXXX|driveid AA:LL:PP:NN} –
drive has loaded cartridge; reply Dismount, Retry or Ignore
(D/R/I)
```

Explanation: A request was made to dismount a volume. However, the volume has not been rewound and unloaded.

System Action: The dismount waits for you to reply either "D" (dismount), "R" (retry), or "I" (ignore), or for the drive to be rewound and unloaded.

User Response: Wait for the rewind and unload to complete or reply with one of the following:

D	If the volume is to be rewound and unloaded.
R	If the dismount is to be retried without forcing the rewind.
I	If the request is to be ignored.

Note – Replying "D" can cause intervention required messages for the transport and cause jobs to abend if the transport is in use. In MSP, you must issue an UNLOAD command for the transport; and if it is online, the UNLOAD command delays unloading the device until it is no longer allocated. In VM, if the device is ATTACHed to the tape management virtual machine (such as VMTAPE), reply "D". If the device is not ATTACHed to any virtual machine, you should attempt to ATTACH the device to some virtual machine and then DETACH it which unloads the tape. If the transport is assigned to another system, the ATTACH fails.

Replying "R" reissues the dismount request without first attempting to rewind the volume.

Replying "I" allows the mounted cartridge to stay on the transport. In MSP, if the system wants to use the mounted cartridge, the transport is allocated without a mount request. If the transport is required for a different cartridge, a dismount request is followed by a new mount request. In VM, if the device is ATTACHed to a virtual machine other than the tape management system, it is unloaded when it is DETACHed.

SLS0108D

```
Mount of volser on {drive XXXX|driveid AA:LL:PP:NN} - External
label is unreadable; reply Mount, Bypass, or Ignore (M/B/I)
```

Explanation: An attempt was made to mount volume *volser* on transport *XXXX|AA:LL:PP:NN*, but the external label was unreadable.

System Action: The mount waits until you reply either Mount, Bypass, or Ignore.

User Response: Reply with one of the following:

M	If the volume is to be mounted. External label checking is temporarily bypassed for the duration of this mount.
B	If the volume is to be mounted and it is to be permanently marked as having an unreadable external label.
I	If the request is to be ignored. If necessary, an EJect command can be issued to eject the volume.

SLS0109D

```
Swap of XXXX1 to XXXX2 - Volume volser is in the library;
reply Eject, Dismount, or Ignore (E/D/I)
```

Explanation: An attempt was made to swap a volume to a transport outside the library.

System Action: The swap waits until you reply either Eject, Dismount, or Ignore.

User Response: Reply with one of the following:

Eject (E)	If the volume is to be ejected.
Dismount (D)	If the volume is to be dismounted and retained in the library.
Ignore (I)	If the request is to be ignored.

SLS0110I

```
Eject of volser from {drive XXXX|driveid AA:LL:PP:NN} - Unable
to eject, volume errant
```

Explanation: An attempt was made to eject volume *volser* from transport *XXXX|AA:LL:PP:NN*, but an error occurred causing the volume to become errant.

System Action: HSC processing continues.

User Response: Determine why the volume became errant, and make the appropriate correction.

SLS0112E

```
Swap of volser on {drive XXXX|driveid AA:LL:PP:NN} - LMU error
XXXXXXXX ACS AA
```

Explanation: When attempting to swap volume *volser* from *XXXX|AA:LL:PP:NN*, an LMU error *XXXXXXXX* was received.

System Action: The swap fails.

User Response: Enter a library DISMount and Mount command for the volume. If the problem recurs, contact StorageTek Software Support.

SLS0113D

```
Mount of volser1 on {drive XXXX|driveid AA:LL:PP:NN} - OCR
volser mismatch (volser2); Retry, Eject, or Ignore (R,E,I)
```

Explanation: An attempt was made to mount volume *volser1* on specified transport {*XXXX|AA:LL:PP:NN*} where *XXXX* = drive and *AA:LL:PP:NN* = DRIVEid, but the LMU found a volser with a different external label (*volser2*).

System Action: The mount waits for you to reply Retry, Eject or Ignore.

User Response: Reply with one of the following:

R	If the mount is to be retried.
E	If the volume is to be ejected. Volume *volser1* will be deleted from the control data set. Additionally, if *volser2* is not in the control data set, it will be physically ejected.
I	If the mount is to be ignored.

SLS0114D

```
Enter of volser on  {drive XXXX|driveid AA:LL:PP:NN}  - volser
invalid; reply E,volser or I to Enter a different volume, or
Ignore
```

Explanation: An attempt was made to ENter volume *volser* on specified transport {*XXXX*|*AA:LL:PP:NN*} where *XXXX* = drive and *AA:LL:PP:NN* = DRIVEid, but the volser was unacceptable.

System Action: The mount waits for you to reply "E,volser" or "I".

User Response: Reply with one of the following:

E,volser	If a different volser is to be entered.
I	If the mount is to be ignored.

SLS0115I

```
Mount of volser on  {drive XXXX|driveid AA:LL:PP:NN}  -
Overridden by a dismount request
```

Explanation: An attempt was made to mount volume *volser* on specified transport {*XXXX*|*AA:LL:PP:NN*} where *XXXX* = drive and *AA:LL:PP:NN* = DRIVEid, but the mount was overridden by a dismount request (a mount and dismount request had been made for the same transport).

System Action: Neither the Mount nor the DISMount command is executed.

User Response: None.

SLS0116I

```
Dismount of volser from DRIVE XXXX|DRIVEID AA:LL:PP:NN  -
Newly unreadable volser; EJECTING
```

Explanation: When dismounting *volser*, the LMU indicated that a formerly readable external label is now unreadable.

System Action: The volume is ejected from the library.

User Response: Inspect the label on the cartridge and determine the reason that the label is unreadable. Once corrected the cartridge can be entered into the library. If the volser in message SLS0116I is either #URBL# or SCRTCH then issue a DISPLAY VOLUME command using the actual volser from the cartridge. The cells from this display need to be audited.

SLS0117E

```
Dismount of volser from {drive XXXX|driveid AA:LL:PP:NN} - LMU
error XXXXXXXX ACS AA
```

Explanation: An attempt was made to dismount volume *volser* from specified transport {*XXXX*|*AA:LL:PP:NN*} where *XXXX* = drive and *AA:LL:PP:NN* = DRIVEid, but LMU error *XXXXXXXX* occurred.

System Action: The dismount fails.

User Response: Enter a library DISMount command for the volume. If the problem reoccurs immediately, contact StorageTek Software Support.

SLS0118D

```
Enter of volser on {drive XXXX|driveid AA:LL:PP:NN}; bad CAPid
AA:LL:CC; reply "T,capid","U", or "I" - Try another/Use
any/Ignore
```

Explanation: An attempt was made to enter volume *volser* on transport
{*XXXX*|*AA:LL:PP:NN*}, but a bad CAPid (*AA:LL:CC*) was specified. Either the
CAPid is not defined, or the CAP is in use.

System Action: The ENter waits for you to reply T,capid; U; or I.

User Response: Reply with one of the following:

T,capid (Try another CAP)	If the entry of the volume is to proceed, where CAPid is the CAP to use.
U (Use any CAP)	To allow the subsystem to select a CAP
I (Ignore)	If the entry of the volume is to be ignored.

SLS0119D

```
Enter of volume on {drive XXXX|driveid AA:LL:PP:NN} - volume
already in database; reply "M,volser", or "I" to Mount or
Ignore
```

Explanation: An attempt was made to enter volume *volser* on transport
XXXX|*AA:LL:PP:NN*, but *volser* was already included in the control data set.

System Action: The ENter waits for you to reply "M,volser" or "I".

User Response: Reply with one of the following:

M,volser (Mount)	If the entry of the volume is to proceed, specify a Volser which is not in the control data set.
I (Ignore)	If the entry of the volume is to be ignored.

SLS0120E

```
Mount of volser on {drive XXXX|driveid AA:LL:PP:NN} - LMU
error XXXXXXXX ACS AA
```

Explanation: An attempt was made to mount volume *volser* on specified transport
{*XXXX*|*AA:LL:PP:NN*} where *XXXX* = drive and *AA:LL:PP:NN* = DRIVEid, but an
LMU error *XXXXXXXX* occurred for ACS *AA*.

System Action: The mount fails. If the volume is not in its cell, it is made errant.

User Response: Correct the problem, and enter a library Mount for the volume.

SLS0121I

```
Invalid library {drive XXXX|driveid AA:LL:PP:NN}
```

Explanation: An attempt was made to mount or dismount a volume via operator
command specifying an invalid library transport.

System Action: The mount or dismount fails.

User Response: Re-enter the command with a valid transport.

SLS0122D

```
Enter of volser on {drive XXXX|driveid AA:LL:PP:NN} - no cell
space available in ACS AA; Retry or Ignore (R/I)
```

Explanation: An attempt was made to enter volume *volser* on specified transport {*XXXX*|*AA:LL:PP:NN*} where *XXXX* = drive and *AA:LL:PP:NN* = DRIVEid, but there was no cell space available in the ACS.

System Action: The ENter waits for you to reply Retry or Ignore.

User Response: Reply with one of the following:

R	If the entry of the volume is to proceed, eject some volumes prior to replying "R".
I	If the entry of the volume is to be ignored.

SLS0123I

```
Dismount of volser from {drive XXXX|driveid AA:LL:PP:NN} -
Suppressed; mount was not initiated
```

Explanation: The dismount of *volser* was suppressed because the preceding mount was suppressed, and the volume had not been placed in the transport.

System Action: The dismount is not executed.

User Response: None.

SLS0124I

```
Mount of volser on {drive XXXX|driveid AA:LL:PP:NN} - Complete
```

Explanation: In response to a mount request, volume *volser* was mounted on specified transport {*XXXX*|*AA:LL:PP:NN*} where *XXXX* = drive and *AA:LL:PP:NN* = DRIVEid.

System Action: Normal processing continues.

User Response: None.

SLS0125D

```
Mount of volser on {drive XXXX|driveid AA:LL:PP:NN} - Volume
not in cell AA:LL:PP:RR:CC; Retry, Eject, or Ignore (R,E,I)
```

Explanation: An attempt was made to mount volume *volser*, but no volume was found in cell *AA:LL:PP:RR:CC*.

System Action: The Mount waits for you to reply Retry, Eject, or Ignore.

User Response: Reply with one of the following:

R	If the Mount is to be retried..
E	If the volume found is to be deleted from the control data set. If the volume is outside the ACS and needs to be entered, reply Eject. Then use HSC operator commands to enter and mount the volume.
I	If the Mount is to be ignored and the volume is NOT to be deleted from the control data set.

SLS0127I

    Dismount of *volser* from {drive *XXXX*|driveid *AA:LL:PP:NN*} –
    Error doing scan

Explanation: An attempt was made to dismount volume *volser* from transport *XXXX|AA:LL:PP:NN* which required a scan of either the drive or home location. However, the LMU indicated a move error occurred, or it could not communicate with the drive.

System Action: The dismount is not executed.

User Response: If needed, re-enter the command.

SLS0128A

    Mount of *volser* on {drive *XXXX*|driveid *AA:LL:PP:NN*} - Waiting
    for volume; reply "I" to cancel wait

Explanation: An attempt was made to mount volume *volser* on transport *XXXX|AA:LL:PP:NN*, but the volume was in use.

System Action: The Mount waits until the volume becomes available.

User Response: Reply "I" if the Mount is to be ignored.

SLS0129I

XML input not supported for *CCC...CCC* command

Explanation: A command input beginning with an XML start character was received for a command *CCC...CCC* that does not support XML input.

System Action: The command is rejected.

User Response: Enter the command using standard text syntax.

SLS0130I

    {Drive *XXXX*|Driveid *AA:LL:PP:NN*} found full while attempting
    mount of *volser*

Explanation: An attempt was made to mount volume *volser* on specified transport {*XXXX|AA:LL:PP:NN*} where *XXXX* = drive and *AA:LL:PP:NN* = DRIVEid, but the transport was full.

System Action: The system attempts to dismount the cartridge on the transport and retry the mount. If the dismount is unsuccessful, the mount may be aborted, or SLS0105A may be issued.

User Response: None.

SLS0131I

    Mount of *volser* on {drive *XXXX*|driveid *AA:LL:PP:NN*} - Error
    doing scan

Explanation: An attempt was made to mount volume *volser* on transport *XXXX|AA:LL:PP:NN* which required a scan of either the drive or home location. However, the LMU indicated that a move error occurred or that it could not communicate with the drive.

System Action: The mount is not executed.

User Response: If needed, re-enter the command.

SLS0132I

```
Dismount of volser from {drive XXXX|driveid AA:LL:PP:NN} -
Suppressed; prior dismount queued or active
```

Explanation: An attempt was made to dismount volume *volser* from transport *XXXX|AA:LL:PP:NN*, but the dismount was suppressed because there was a preceding dismount active or queued for the drive.

System Action: The dismount is not executed.

User Response: None.

SLS0133I

```
Dismount of volser from {drive XXXX|driveid AA:LL:PP:NN} -
Mount active;  attempting suppression
```

Explanation: An attempt was made to dismount volume *volser* from transport *XXXX|AA:LL:PP:NN*, but a mount request was already active for volume *volser* on that drive.

System Action: The system attempts to suppress the mount. If the mount is successfully suppressed, the dismount is also suppressed.

User Response: None.

SLS0134D

```
Mount of volser on {drive XXXX|driveid AA:LL:PP:NN} - Volume
and drive are in different ACSs; Eject, Retry, or Ignore
(E,R,I)
```

Explanation: An attempt was made to mount volume *volser* on transport *XXXX|AA:LL:PP:NN*, but the mount requires a volume in a different ACS.

System Action: The mount waits for you to reply Eject, Retry or Ignore.

User Response: Reply with one of the following:

E	If the volume required is to be ejected.
R	If the mount is to be retried.
I	If the mount is to be ignored.

SLS0136D

```
Eject of volser from {drive XXXX|driveid AA:LL:PP:NN} - bad
CAPid AA:LL:CC; reply "T,capid","U", or "I"; Try another/Use
any/Ignore
```

Explanation: An attempt was made to eject volume *volser* and dismount it from transport *XXXX|AA:LL:PP:NN*, but a bad CAPid was specified. Either the CAPid is not defined or the CAP is in use.

System Action: The EJect waits for you to reply T,capid; U; or I.

User Response: Reply with one of the following:

T,capid (Try another CAP)	If the EJect is to proceed, where CAPid is the CAP to use.
U (Use any CAP)	In order to have the subsystem pick a CAP.
I (Ignore)	If the dismount is to be ignored.

SLS0137E

```
Eject of volser from {drive XXXX|driveid AA:LL:PP:NN} - LMU
error XXXXXXXX ACS AA
```

Explanation: An attempt was made to eject volume *volser* from specified transport {*XXXX* | *AA:LL:PP: NN*} where *XXXX*= drive and *AA:LL:PP: NN* = driveid, but an LMU error (*XXXXXXXX*) was received.

System Action: The eject fails.

User Response: Enter a library DISMount command for the volume and retry the EJect command. If the problem recurs immediately, contact StorageTek Software Support.

SLS0138D

```
Eject of volser from {drive XXXX|driveid AA:LL:PP:NN} - No
non-zero priority CAPs in ACS AA; reply C to cancel wait
```

Explanation: An attempt was made to eject volume *volser* from specified transport {*XXXX* | *AA:LL:PP:NN*} where *XXXX* = drive and *AA:LL:PP:NN* = DRIVEid, but there were not any non-zero priority CAPs available.

System Action: The dismount waits for you to reply C or until a CAP becomes available.

User Response: Enter the CAPPref command or DRAin an active CAP to make a CAP available. If the eject does not need to be processed, reply C.

SLS0140I

```
Mount of volser on {drive XXXX|driveid AA:LL:PP:NN} -
Suppressed
```

Explanation: An attempt was made to mount volume *volser* on specified transport {*XXXX* | *AA:LL:PP:NN*} where *XXXX* = drive and *AA:LL:PP:NN* = DRIVEid, but it was suppressed by a dismount.

System Action: The mount is not executed.

User Response: None.

SLS0141I

```
Mount of volser on {drive XXXX|driveid AA:LL:PP:NN} -
Suppressed; prior scratch request active or queued
```

Explanation: An attempt was made to mount volume *volser* for a scratch request, but a prior nonspecific request was queued or active for that drive.

System Action: The second mount request is not executed.

User Response: None.

SLS0142I

Mount of *volser* on {drive *XXXX*|driveid *AA:LL:PP:NN*} - Unable
to recover volume - *XX*

Explanation: An attempt was made to mount errant volume *volser*, but it could not
be located. *XX* indicates possible reasons for not finding the volume as follows:

04 - Recovery could not locate the volume
08 - A control data set error occurred
0C - Recovery abended
10 - An LMU error occurred

System Action: The mount terminates.

User Response: None.

SLS0143I

Mount of *volser* on {drive *XXXX*|driveid *AA:LL:PP:NN*} -
Cancelled due to operator request

Explanation: An attempt was made to mount volume *volser* on specified transport
{*XXXX*|*AA:LL:PP:NN*} where *XXXX* = drive and *AA:LL:PP:NN* = DRIVEid, but the
mount was cancelled due to operator request.

System Action: The mount processing terminates.

User Response: None.

SLS0144I

Mount of *volser* on {drive *XXXX*|driveid *AA:LL:PP:NN*} -
Overriding a mount scratch request

Explanation: When starting to mount *volser* on specified transport
{*XXXX*|*AA:LL:PP:NN*} where *XXXX* = drive and *AA:LL:PP:NN* = DRIVEid, the
system detected a Mount SCRTCH request made for that drive and overrode the
request.

System Action: The Mount SCRTCH is not executed.

User Response: None.

SLS0145I

Mount of *volser* from {drive *XXXX*|driveid *AA:LL:PP:NN*} - Mount
scratch active; attempting suppression

Explanation: An attempt was made to mount volume *volser* on specified transport
{*XXXX*|*AA:LL:PP:NN*} where *XXXX* = drive and *AA:LL:PP:NN* = DRIVEid, but a
Mount SCRTCH request was active for that drive.

System Action: The system attempts to suppress the Mount SCRTCH.

User Response: None.

SLS0147I

```
Mount of volser on {drive XXXX|driveid AA:LL:PP:NN} suppressed
- prior mount request queued
```

Explanation: An attempt was made to mount volume *volser* on specified transport {*XXXX*|*AA:LL:PP:NN*} where *XXXX* = drive and *AA:LL:PP:NN* = DRIVEid, but a prior mount request for that volume was queued for that drive.

System Action: The second mount request is not executed.

User Response: None.

SLS0148I

```
Mount of volser on {drive XXXX|driveid AA:LL:PP:NN} -
Cancelled by overdue response handler
```

Explanation: An attempt was made to mount volume *volser* on specified transport {*XXXX*|*AA:LL:PP:NN*} where *XXXX* = drive and *AA:LL:PP:NN* = DRIVEid, but the overdue response handler determined that this request had taken too long and received permission from you to flush the request.

System Action: The mount request is cancelled.

User Response: Re-enter the mount request if necessary.

SLS0149I

```
Dismount of volser from {drive XXXX|driveid AA:LL:PP:NN} -
Cancelled by overdue response handler
```

Explanation: An attempt was made to dismount volume *volser* from specified transport {*XXXX*|*AA:LL:PP:NN*} where *XXXX* = drive and *AA:LL:PP:NN* = DRIVEid, but the overdue response handler determined that this request had taken too long and received permission from you to flush the request.

System Action: The dismount request is cancelled.

User Response: Re-enter the dismount request if necessary.

SLS0150I

```
Missing or invalid SLSIN DD statement
```

Explanation: The SLUADMIN utility program was not able to successfully OPEN the required utility control statements file (DD name SLSIN).

System Action: The utility function is terminated.

User Response: Supply the SLSIN data set containing 80 byte card-image control statements, and resubmit the SLUADMIN utility job.

SLS0151I

Value in JCL PARM field *PPPPPPPP* is invalid

Explanation: A SLUADMIN utility job was submitted with PARM= parameters, and the value specified for the keyword *PPPPPPPP* is invalid. Valid keywords and their values are:

MIXED, NOHDR, LINECNT=*nn*, DATE={4YR|2YR} XMLCASE={M|U}, and
XMLDATE={*YYYYMONDD*|*YYYY–MON–DD*|*YYYY–MM–DD*}

where *nn* is a value between 10 and 99. NOHDR and LINECNT are mutually exclusive.

System Action: The utility function is terminated.

User Response: Correct the value in the JCL PARM field or eliminate PARM value altogether and resubmit the job.

SLS0152I

SLUCON__must be authorized when specifying "LIBONLY" parameter

Explanation: The indicated Scratch Conversion utility MUST execute in an APF-authorized mode when the "LIBONLY" execution-time parameter is specified.

System Action: The utility is terminated with a return code of 8.

User Response: Ensure that the library that the utility resides in is APF-authorized and resubmit the job.

SLS0153I

Conflicting utility is currently active on the system -- try
again later

Explanation: Another SLUADMIN utility job was active on the system and was running a utility function that conflicted with the utility function requested in this SLUADMIN utility job.

System Action: The utility function terminates.

User Response: Wait until the other SLUADMIN utility job finishes, and resubmit this SLUADMIN utility job.

SLS0154A

A *CCCCCCCCCCCCC* library utility active during termination;
waiting for completion

Explanation: An attempt was made to terminate one or both HSC service levels but a *CCCCCCCCCCCCC* SLUADMIN utility job requiring active Library Software on the system

System Action: Termination waits until the utility function ends.

User Response: Execute one of the following actions based on your current situation:

- Wait until the SLUADMIN utility job ends, and the library software termination continues
- Cancel the SLUADMIN utility job, and allow the library termination to continue
- Cancel the library software, and it terminates abnormally

SLS0155I

```
Condition code for utility function is DD
```

Explanation: A utility function represented by a single control statement in a SLUADMIN utility job has completed with the specified condition code. Possible condition codes are:

0	Utility function completed successfully
4	Error detected, but utility function was able to complete
8	Error detected, and utility function was cancelled
12	Error detected, and utility program (all utility functions) was cancelled

System Action: The utility function terminated as indicated.

User Response: If the condition code is other than zero (0), refer to other utility message(s) to resolve the exact reason for the error and determine if the SLUADMIN utility job needs to be resubmitted.

SLS0156I

```
No qualifying SMF records found
```

Explanation: A SLUADMIN ACTIvities Report utility read all of the SMF records but found none in the specified date/time period.

System Action: The Activities Report utility terminates.

User Response: Check the supplied SMF data (DD name SLSSMF) and/or the requested reporting period (BEGIN and END parameters on the control statement), fix the error, and resubmit the SLUADMIN utility job.

SLS0157I

```
Host Software Component not active
```

Explanation: A SLUADMIN utility function requiring the library software was attempted, but the library software was not active.

System Action: The utility function is not executed.

User Response: Start the host library software, and resubmit the SLUADMIN utility job.

SLS0158I

```
Conflicting audit in progress on this Host
```

Explanation: A SLUADMIN AUDIt utility was attempted against library components that were already being audited by another SLUADMIN AUDIt utility, or there was an attempt to simultaneously execute an "active" AUDIt utility (parameter APPly(YES)) with a "report-only" AUDIt utility (parameter APPly(NO)).

System Action: The requested utility function is not executed.

User Response: Wait until the other AUDIt utility job is finished and resubmit this SLUADMIN audit job, or change the parameters on this AUDIt control statement to not conflict with the other AUDIt utility.

SLS0159I

Conflicting audit in progress within the LSM

Explanation: A SLUADMIN AUDIt utility is in process within the same LSM(s) as those in the current AUDIt utility, initialize cartridge utility (MSP), or ENTEr cartridges utility (VM).

System Action: The utility function terminates.

User Response: Wait until the SLUADMIN AUDIt utility or series of concurrent AUDIt utilities complete, and then resubmit this SLUADMIN utility.

SLS0160I

All DD journals are successfully sorted

Explanation: This is a checkpoint message from a SLUADMIN RESTore utility indicating that all journal records from DD (the number of active journals) files have been successfully sorted.

System Action: HSC processing continues.

User Response: None.

SLS0161I

Control database is successfully copied from the backup copy

Explanation: This is a checkpoint message from the SLUADMIN RESTore utility indicating that the control data set is successfully replaced by the control data set from the backup data set.

System Action: HSC processing continues.

User Response: None.

SLS0162I

PPPPPPPP parameter value *VVVVVVV* invalid

Explanation: The VOLRpt parameter value shown was specified with an invalid parameter value.

System Action: The VOLRpt utility terminates with a return code of 8.

User Response: Correct the indicated parameter on the volume report (VOLRpt) control statement, and resubmit the SLUADMIN utility job.

SLS0163I

Volume *volser* not in library

Explanation: A specific volume serial number (*volser*) was supplied for a requested function. However, the requested volume was not found in the library, so the volume serial could not be processed. This message may also appear when a specific volume serial number is not specified, but a volume is requested by an internal function call.

System Action: Processing continues.

User Response: Review any volume serial numbers specified for the function, and if necessary, resubmit the request.

SLS0164I

Volume *volser* already defined in library as scratch

Explanation: A SLUADMIN SCRAtch update utility attempted to add a specified volume serial number (*volser*) to the library scratch pool, but the volume was already defined as scratch.

System Action: The utility continues processing.

User Response: The error does not cancel the SCRAtch update utility, but you may want to check the specified volume serial number, correct it, and resubmit the SLUADMIN SCRAtch update job.

SLS0165I

Control database is successfully restored by applying sorted journals

Explanation: This is a checkpoint message from the SLUADMIN RESTore utility indicating that the control data set, that was replaced from a backup, has been updated with records from all active journal files.

System Action: HSC processing continues.

User Response: None.

SLS0166I

Volume *volser* not defined in library as scratch

Explanation: A SLUADMIN SCRAtch update utility attempted to remove a specified volume serial number (*volser*) from the library scratch pool, but the volume was not defined as a scratch volume.

System Action: The utility continues functioning.

User Response: This error does not cancel the SCRAtch update utility, but you may want to check the specified volume serial number and resubmit the SLUADMIN scratch update job.

SLS0167I

Volume *volser* successfully added to library as scratch

Explanation: A SLUADMIN SCRAtch update utility has added the specified volume serial number (*volser*) to the library scratch pool.

System Action: HSC processing continues.

User Response: None.

SLS0168I

Volume *volser* successfully deleted from library scratch pool

Explanation: A SLUADMIN SCRAtch update utility has deleted the specified volume serial number (*volser*) from the library scratch pool.

System Action: HSC processing continues.

User Response: None.

SLS0169I

Secondary is successfully copied from the restored control
database

Explanation: This is a checkpoint message from the SLUADMIN RESTore utility
indicating that the secondary copy of the control data set has been successfully
replaced by the contents of the restored control data set.

System Action: HSC processing continues.

User Response: None.

SLS0170I

Volume *volser* in use; unavailable for processing

Explanation: A SLUADMIN utility function was attempting to perform utility-
specific processing against a specific volume serial number (*volser*), but the volume
was either currently selected by another process or had been used before it could be
scratched. The utility process could not be performed.

System Action: The process continues, but this volume has been ignored.

User Response: This is not considered an error, but you may want to resubmit the
SLUADMIN utility job after the competing process/job releases the volume.

SLS0171I

CAPid *AA:LL:CC* is invalid

Explanation: A SLUADMIN utility function requiring a Cartridge Access Port (CAP)
specified a particular CAPid (*AA:LL:CC*) in the utility control statement, but the
CAPid was invalid.

System Action: The utility terminates.

User Response: Change the specification of the CAPid, and resubmit the
SLUADMIN utility job.

SLS0172I

CAP could not be successfully allocated

Explanation: A SLUADMIN utility function requiring a CAP either could not
allocate the specific CAP (if a CAP parameter was specified on the utility control
statement) because that CAP was in use by another process, or no unreserved CAPs
with a non-zero priority exist in the ACS where the CAP is required.

System Action: The utility terminates without performing the CAP operation.

User Response: Either specify a different CAPid, or wait for the process using the
specific CAP to complete and resubmit the SLUADMIN utility job. If no CAP is
specified, display the preference priorities for CAPs in the ACS, and set an available
CAP preference to non-zero (see Display and CAPPref library commands) and
resubmit the SLUADMIN utility job.

SLS0173I

```
Missing or invalid SLSTAPE DD statement
```

Explanation: A SLUADMIN initialize cartridge utility either could not locate an SLSTAPE DD statement, or the SLSTAPE DD statement did not represent a transport.

System Action: The utility terminates processing.

User Response. Make sure the JCL contains an SLSTAPE DD statement representing a valid library transport; and, if requesting a specific CAP, make sure the CAP is in the same ACS as the library transport represented by the SLSTAPE DD statement. Then resubmit the SLUADMIN utility job.

SLS0174I

```
Volume volser successfully ejected from library
```

Explanation: A SLUADMIN utility function that involves cartridge ejection has successfully moved the identified volume serial number (*volser*) to a Cartridge Access Port (CAP).

System Action: The cartridge is ejected from the control data set.

User Response: None. (The operator is informed of the cartridge ejection and is required to empty the CAP either when the CAP is full or when the SLUADMIN utility function completes.)

SLS0175I

```
Missing or invalid SLSCNTL DD statement
```

Explanation: A SLUADMIN BACKup or RESTore utility could not successfully open the control data set represented by the SLSCNTL DD statement.

System Action: The utility terminates processing.

User Response: Supply the SLSCNTL DD statement to properly reference the control data set for the SLUADMIN utility function, and resubmit the SLUADMIN utility job.

SLS0176I

```
Missing or invalid SLSBKUP DD statement
```

Explanation: A SLUADMIN BACKup or RESTore utility could not successfully open the backup data set represented by the SLSBKUP DD statement.

System Action: The utility terminates processing.

User Response: Supply the SLSBKUP DD statement to properly reference the backup data set for the SLUADMIN utility function and, resubmit the SLUADMIN utility job.

SLS0177I

```
Missing or invalid SLSJRNnn DD statement
```

Explanation: A SLUADMIN BACKup utility could not successfully open the journal represented by the SLSJRN*nn* statement (*nn* = 01 - 32).

System Action: The utility terminates processing.

User Response: Supply the SLSJRN*nn* statements to properly reference all active journal files for the SLUADMIN BACKup utility, and resubmit the SLUADMIN utility job.

SLS0178I

APPLY(YES) specified or defaulted, but journaling not active

Explanation: A SLUADMIN RESTore utility was submitted with a specified or implied APPly(YES) parameter meaning that journal records were to be applied to the restored control data set, but journaling was not in effect for the library software.

System Action: The utility terminates processing.

User Response: If the control data set should really be restored to the state of the referenced backup data set (SLSBKUP DD statement), supply APPly(NO) on the RESTore utility (RESTore) control statement, and resubmit the SLUADMIN utility job.

SLS0179I

I/O error reading backup file specified by SLSBKUP DD statement

Explanation: An I/O error occurred for the CDS backup data set.

System Action: The utility terminates. The CDS is not affected.

User Response: Re-establish another backup data set, and rerun the CDS BACKup utility.

SLS0180I

I/O error processing control database

Explanation: An I/O error on the control data set occurred during processing of a SLUADMIN utility function.

System Action: The utility terminates without completing the requested function.

User Response: Determine the cause of the I/O error. Resubmit the utility after the control data set problem is corrected.

SLS0181I

I/O error reading journal specified by SLSJRN*nn* DD statement

Explanation: An I/O error occurred, during a SLUADMIN BACKup or RESTore utility, reading the journal file represented by the SLSJRN*nn* statement. (*nn* = 01 - 32 for BACKup, 01 - 99 for RESTore).

System Action: The utility terminates prematurely.

User Response: Refer to local recovery procedures.

- If BACKup had a journal I/O error, use SLICREAT to create new (reset) journal file(s).
- If RESTore had a journal I/O error, determine if another copy of the journal file exists and use the copy.
- If no copy exists, you are either left with an incomplete restore or with auditing your whole library.

SLS0182I

    I/O error writing journal specified by SLSJRN*nn* DD statement

Explanation: An I/O error occurred during a SLUADMIN BACKup or OFFLoad utility, writing the journal file represented by the SLSJRN*nn* statement. (*nn* = 01 - 02 for OFFLoad, 01 - 32 for BACKup.)

System Action: The utility terminates without resetting the journal file(s).

User Response: If OFFLoad had the I/O error, IMMEDIATELY take a BACKup. If BACKup had the I/O error, use SLICREAT to create (reset) the journal files.

SLS0183I

    Cartridge *volser* in cell *AA*:*LL*:*PP*:*RR*:*CC*:*NN* has an unreadable
    external label; ejecting

Explanation: After dismounting a volser to a cell, the LMU indicated that a formerly readable external label is now unreadable.

System Action: The volume is ejected from the library.

User Response: Inspect the label on the cartridge and determine the reason that the label is unreadable. Once corrected the cartridge can be entered into the library.

SLS0184I

    DD1 hosts defined, but only *DD2* SLSJRN*nn* DD statements
    supplied

Explanation: A SLUADMIN RESTore utility determined that the *DD1* number of hosts defined showed that there was an insufficient number of SLSJRN*nn* statements. *DD2* expresses how many SLSJRN*nn* statements were present. Each host attached to the library must have two journal files. (= 01 - 32 for BACKup, 01 - 99 for RESTore.)

System Action: The RESTore utility terminates processing.

User Response: Supply two SLSJRN*nn* statements for each host attached to the library, and resubmit the SLUADMIN RESTore utility job.

SLS0186E

    MISSING OR INVALID SYSPRINT DD STATEMENT

Explanation: A utility could not successfully open the required SYSPRINT DD.

System Action: The utility terminates processing.

User Response: Supply the required SYSPRINT DD statement, and resubmit the utility job.

SLS0191I

    Journal specified by SLSJRN*nn* DD statement successfully reset

Explanation: A checkpoint message issued by a SLUADMIN BACKup or OFFLoad utility indicated that one of the journal files represented by the SLSJRN*nn* (*nn* = 01 - 02 for OFFLoad, 01 - 32 for BACKup) DD statement was successfully reset.

System Action: HSC processing continues.

User Response: None.

SLS0194I

I/O error writing to control database specified by SLSCNTL DD statement

Explanation: A SLUADMIN RESTore utility encountered an I/O error while copying the backup or applying the journal to the control data set (DD name SLSCNTL).

System Action: The utility terminates processing.

User Response: Recreate the control data set, identify the new control data set on the SLSCNTL DD statement, and resubmit the SLUADMIN utility job.

SLS0195I

I/O error reading from data set specified by SLSDELTA DD statement

Explanation: A SLUADMIN RESTore utility encountered an I/O error reading back the sorted journal records on the temporary work file (DD name SLSDELTA).

System Action: The utility terminates processing.

User Response: Reallocate the temporary sorted journal records file represented by the SLSDELTA DD statement, and resubmit the SLUADMIN utility job.

SLS0196I

LSM *LL* is invalid

Explanation: The LSMid (*LL*) obtained through the "LSM" parameter on a SLUADMIN utility function control statement was invalid.

System Action: The utility terminates processing.

User Response: Check the configuration of the library, respecify the "LSM"parameter, and resubmit the SLUADMIN utility job.

SLS0197I

LSMid *AA:LL* is offline

Explanation: A SLUADMIN utility function required a functional path to a specific LSMid (*AA:LL*) but found the LSM offline or not allocated to the host where the utility was executed.

System Action: The utility terminates processing.

User Response: Bring the LSM online to this host (see MODify command) and resubmit the SLUADMIN utility job. If the LSM is unallocated, remove the LSM from the utility control statements and resubmit the SLUADMIN utility job.

SLS0198I

Panel index *DD* is invalid

Explanation: A SLUADMIN AUDIt utility encountered an invalid panel index (*DD*) specified in the PANel parameter of the AUDIt control statement.

System Action: The utility terminates processing.

User Response: Respecify the panel index in the PANel parameter and, resubmit the SLUADMIN utility job.

SLS0199I

Volume *volser* in cell *AA:LL:PP:RR:CC* is in control database at cell *AA:LL:PP:RR:CC*

Explanation: A SLUADMIN AUDIt utility function has encountered a library cartridge with the specified volume serial number (*volser*) that was in a different library location than the control data set (first cell is observed location, second is control data set location). If the audit was "active" (APPly(YES) specified or defaulted on the control statement), the data set was updated.

System Action: Depending on the APPly parameter, the audit will change the location of the volume in the control data set.

User Response: None.

SLS0200I

Volume *volser* in cell *AA:LL:PP:RR:CC* is not in control database

Explanation: A SLUADMIN AUDIt utility function has encountered a library cartridge with the specified volume serial number (*volser*) at the specified location (*AA:LL:PP:RR:CC*) that is not in the control data set. If the audit is "active" (APPly(YES) specified or defaulted on the control statement), the volume is added to the control data set.

System Action: Depending on the APPly parameter specification, the volume may be added to the control data set.

User Response: None.

SLS0201I

Cartridge in cell *AA:LL:PP:RR:CC* has an unreadable or illegal external label

Explanation: A SLUADMIN AUDIt utility encountered an unlabeled cartridge, a cartridge with an unreadable external label, or a cartridge with a label containing illegal characters in the defined location (*AA:LL:PP:RR:CC*). If the audit is "active" (APPly(YES) specified or defaulted), the cartridge is ejected.

System Action: The cartridge is physically ejected from the library if APPly(YES) is specified.

User Response: If APPly(YES) is specified, take the cartridge out of the CAP, determine its Volser, and re-enter the cartridge. If APPly(NO) is specified, you may have to invoke errant recovery on the original volume to have the cartridge logically ejected (deleted from the control data set). Errant recovery can be invoked by issuing a Mount or EJect command for the volume.

SLS0202I

Volume *volser* in cell *AA:LL:PP:RR:CC* is a duplicate with
volume in cell *AA:LL:PP:RR:CC*

Explanation: A SLUADMIN AUDIt utility function encountered more than one
library cartridge with the specified volume serial number (*volser*). The first specified
location (*AA:LL:PP:RR:CC*) refers to the duplicate, while the second refers to the
original. If the audit is "active" (APPly(YES) specified or defaulted on the control
statement), the volume is ejected.

System Action: The duplicate volume is physically ejected from the library if the
audit is active.

User Response: Depending on which one is supposed to be in the library, the
volume left in the library may have to be ejected and the other one re-entered.

SLS0203I

ACS *AA* is invalid

Explanation: A SLUADMIN utility function encountered an invalid specification of
the ACS parameter on the utility control statement.

System Action: The utility function is terminated.

User Response: Respecify the ACS, and resubmit the SLUADMIN utility job.

SLS0204I

ACS *AA* is disconnected

Explanation: A SLUADMIN utility function required a functional path to a specific
ACS (*AA*), but found the ACS disconnected to the host where the utility was
executed.

System Action: The utility function is terminated.

User Response: Connect the ACS to this host (see Vary command), and resubmit the
SLUADMIN utility job.

SLS0205I

Missing or invalid SLSINIT DD statement

Explanation: A SLUADMIN INITialize cartridge utility could not successfully open
the required prototype initialization control statement file (DD name SLSINIT).

System Action: The utility function is terminated.

User Response: Supply the SLSINIT DD statement with 80-byte card-image control
statement records with a 6-character substitution field for the volume serial number
("******"), and resubmit the SLUADMIN utility job.

SLS0206I

Missing or invalid initialization control statement (*CCCCCCCC* DD statement)

Explanation: A SLUADMIN INITialize cartridge utility could not successfully open the required initialization control statement file (DD name = *CCCCCCCC*; for IEHINITT this is SYSIN).

System Action: The utility function is terminated.

User Response: Supply the DD statement specified by the CNTLDD parameter of the initialize cartridge control statement (default DDname = SYSIN), and resubmit the SLUADMIN utility job.

SLS0207I

Invalid SLSINIT prototype initialization control statement

Explanation: A SLUADMIN INITialize cartridge utility encountered an invalid prototype initialization control statement in the SLSINIT file. Either the file is null (contains no card-image records), or there are more than six card-image records, or there is no six-character volume serial number substitution field ("******").

System Action: The utility function is terminated.

User Response: Supply the SLSINIT DD statement with 80-byte card-image control statement records and a six-character substitution field for the volume serial number ("******"), and resubmit the SLUADMIN utility job.

SLS0208I

OPTION parameter value invalid; must be SCRatch or EJEct

Explanation: A SLUADMIN INITialize cartridge utility encountered an invalid value in the initialize cartridge (INITialize) control statement OPTion parameter.

System Action: The utility function terminates.

User Response: Respecify or remove the OPTion parameter from the initialize cartridge control statement, and resubmit the SLUADMIN utility job.

SLS0209I

Initialize cartridge program *CCCCCCCC* not found

Explanation: A SLUADMIN INITialize cartridge utility attempted to load the initialization program (*CCCCCCCC*) either specified on the PROGram parameter of the initialize cartridge control statement or defaulted to IEHINITT.

System Action: The utility function is terminated.

User Response: Check the specification of the initialization program in the PROGRAM parameter and/or make sure it is accessible to the SLUADMIN link list.

SLS0210I

Library scratch list deletion completed successfully

Explanation: This is a checkpoint message issued by a SLUADMIN SCRAtch update utility with a REPLaceall control statement indicating that all scratch volumes are deleted from the current scratch list.

System Action: Normal operations continue.

User Response: None.

SLS0211I

Volume *volser* successfully entered into library

Explanation: A SLUADMIN INITialize cartridge utility (MSP) or ENTEr cartridges utility (VM) has entered a cartridge with an external label (*volser*) into the library. The MSP initialize cartridge utility issues this message prior to invoking the initialization program.

System Action: The cartridge has been entered into the library.

User Response: None.

SLS0212I

Missing or invalid SLSSMF or SLSPARM DD statement

Explanation: A SLUADMIN ACTIvities Report utility could not successfully open the required SMF records file (DD name SLSSMF or SLSPARM).

System Action: The utility terminates processing.

User Response: Supply the SLSSMF or SLSPARM DD statement, and resubmit the SLUADMIN utility job.

SLS0213I

Volume *volser* not located by Audit

Explanation: A SLUADMIN AUDIt utility did not find the specified volume serial number (*volser*) in the audited library elements, but the control data set contained that volume with a location within the audited library elements. If the audit is "active" (APPly(YES) specified or defaulted), the volume is deleted from the database.

System Action: The volume is logically ejected (deleted from control data set) if APPly(YES) is specified.

User Response: If the volume is suspected to be in the library still, increase the library items being audited to include the whole LSM or its ACS. If the volume still cannot be found inside the ACS, examine SMF data and MSP SYSLOG/SCP CONSLOG to determine if the volume has been ejected or perhaps manually mounted and taken out of the library.

SLS0214I

'APPLY' parameter value invalid; must be 'YES' or 'NO'

Explanation: A SLUADMIN utility function specified an APPly parameter with a value other than YES or NO.

System Action: The utility terminates.

User Response: Correct the APPly parameter on the utility control statement, and resubmit the SLUADMIN utility job.

SLS0215I

An error occurred in the initialize cartridge program *CCCCCCCC*

Explanation: A SLUADMIN INITialize cartridge utility invoked the initialize cartridge program (*CCCCCCCC*) and received a non-zero return code.

System Action: The utility terminates.

User Response: Check for an error message from the initialize cartridge program and correct the cause. Then eject the cartridges, and resubmit the SLUADMIN utility job.

SLS0216I

Invalid date and/or time specified on SLSIN control statement

Explanation: A SLUADMIN ACTIvities Report utility encountered a date and/or time on the BEGIN or END parameter of the ACTIvities control statement that was not in the proper format.

System Action: The utility terminates.

User Response: Respecify the BEGIN and/or END parameters on the ACTIvities control statement in the format "MM/DD/YY" or "YYYYMMDD" (01 =< MM =< 12, 01 =< DD =< 31) for date, and "HH:MM:SS" (00 =< HH =< 23, 00 =< MM,SS =< 59) for time, and resubmit the SLUADMIN utility job.

SLS0217I

BEGIN date and/or time is the same or later than END date and/or time

Explanation: A SLUADMIN ACTIvities Report utility encountered a date/time on the BEGIN parameter that was not earlier than the date/time parameter on the END parameter of the ACTIvities control statement.

System Action: The utility terminates.

User Response: Respecify the BEGIN and/or END parameters on the Activities control statement, and resubmit the SLUADMIN utility job.

SLS0218I

Invalid date specified in PARM parameter of JCL statement

Explanation: The date specified in the PARM field for the Scratch Conversion utility was not a valid date value.

System Action: The utility terminates.

User Response: Correct the date value, and resubmit the Scratch Conversion utility.

SLS0219I

MISSING OR INVALID SLSTMS DD STATEMENT

Explanation: The SLUCONDB Scratch Conversion utility program was not able to successfully open the required utility control statements file (DD name SLSTMS).

System Action: The utility terminates.

User Response: Supply the SLSTMS data set containing the tape management system database to be processed. Resubmit the SLUCONDB utility.

SLS0220I

Invalid command

Explanation: A SLUADMIN utility encountered an unrecognized command on a SLSIN control statement.

System Action: The command statement is ignored.

User Response: Correct the command on the control statement, and resubmit the SLUADMIN utility job.

SLS0221I

CCCCCCCC1 parameter mutually exclusive with *CCCCCCCC2* parameter

Explanation: A SLUADMIN utility encountered a SLSIN control statement with two mutually exclusive parameters (*CCCCCCCC1* and *CCCCCCCC2*).

System Action: The control statement is ignored.

User Response: Correct the control statement by removing one of the referenced parameters, and resubmit the SLUADMIN utility job.

SLS0222I

CCCCCCCC1 parameter requires corequisite parameter *CCCCCCCC2*

Explanation: A SLUADMIN utility encountered a SLSIN control statement with a parameter (*CCCCCCCC1*) that required specification of another parameter (*CCCCCCCC2*) which was not present on the control statement.

System Action: The control statement is ignored.

User Response: Correct the control statement by supplying the required parameter, and resubmit the SLUADMIN utility job. This error could be associated with an invalid continuation.

Please note that the requested missing parameter may not be the only one acceptable. In some parameters, several corequisite parameters may satisfy the requirement and the message will only show one of them.

SLS0223I

Parameter *CCCCCCCC* is an unknown parameter

Explanation: A SLUADMIN utility function encountered a SLSIN control statement with either a parameter (*CCCCCCCC*) that was not allowed for the command or a parameter greater than eight characters in length.

System Action: The control statement is ignored.

User Response: Correct the control statement by either removing the invalid parameter or correcting the spelling of the valid parameter, and resubmitting the SLUADMIN utility job.

SLS0224I

CCCCCCCC parameter has a value with a length error

Explanation: A SLUADMIN utility encountered a SLSIN control statement with a parameter (*CCCCCCCC*) whose value was longer or shorter than permitted.

System Action: The control statement is ignored.

User Response: Correct the parameter value on the control statement, and resubmit the SLUADMIN utility job.

SLS0225I

CCCCCCCC parameter requires a value

Explanation: A SLUADMIN utility encountered a SLSIN control statement with a parameter (*CCCCCCCC*) without a value, but the parameter required a value.

System Action: The control statement is ignored.

User Response: Supply a value for the parameter on the control statement, and resubmit the SLUADMIN utility job.

SLS0226I

Value not allowed with *CCCCCCCC* parameter

Explanation: A SLUADMIN utility encountered a SLSIN control statement with a parameter (*CCCCCCCC*) having a value, but the parameter does not allow a value.

System Action: The control statement is ignored.

User Response: Remove the value on the parameter on the control statement, and resubmit the SLUADMIN utility job.

SLS0227I

Parameter *CCCCCCCC* has an illegal value

Explanation: A SLUADMIN utility encountered a SLSIN control statement with a parameter (*CCCCCCCC*) with an illegal value; either there is a list when a list is not allowed or the value type (i.e. hex, numeric, alpha) is of a different type than allowed.

System Action: The control statement is ignored.

User Response: Correct the value on the parameter on the control statement, and resubmit the SLUADMIN utility job.

SLS0228I

CCCCCCCC parameter has too many values

Explanation: A SLUADMIN utility encountered a SLSIN control statement with a parameter (*CCCCCCCC*) that had too many values in the value list. For example, a maximum of 20 panel indexes on a PANel parameter.

System Action: The control statement is ignored.

User Response: Correct the value list on the parameter of the control statement, and resubmit the SLUADMIN utility job.

SLS0229I

PANEL parameter not allowed with LSM value list parameter

Explanation: A command or utility encountered a control statement with a PANel parameter and an LSM parameter that had a value list (more than one LSM number). Only one LSM is allowed if panel is also specified.

System Action: The command is rejected.

User Response: Correct the parameters and resubmit the command.

SLS0230I

```
Parameter ALL or ACS required
```

Explanation: A SLUADMIN utility function encountered a control statement that required one of the two listed parameters (ALL or ACS).

System Action: The control statement is ignored.

User Response: Supply one of the parameters on the control statement, and resubmit the SLUADMIN utility job.

SLS0231I

```
Audit phase 1 (Registration) completed
```

Explanation: This is a SLUADMIN AUDIt utility checkpoint message indicating the audit has completed the Registration phase. It has been verified that the requested audit is legal and does not conflict with any other library utilities; also a Cartridge Access Port (CAP) is reserved for the ACS encountering the error.

System Action: Audit processing continues.

User Response: None.

SLS0232I

```
Audit phase 2 (Volumes Check) completed
```

Explanation: This is a SLUADMIN AUDIt utility checkpoint message indicating the audit has completed the Volumes Check phase. All volume records in the control data set have been read and an entry built in the Audited Volume Table for those volumes in an audited library element; at the completion of the last active audit, all unlocated volumes are deleted from the control data set.

System Action: Audit processing continues.

User Response: None.

SLS0233I

```
Audit phase 3 (Cell Scan) completed
```

Explanation: This is a SLUADMIN AUDIt utility checkpoint message indicating the audit has completed the Cell Scan phase. All library elements to be audited have been scanned by the LSM camera, and if this is an "active" audit (APPly(YES) specified or defaulted), the control data set has been updated to reflect the actual contents of those elements. Also, any cartridges with duplicate or unreadable labels have been ejected.

System Action: Audit processing continues.

User Response: None.

SLS0234I

Audit phase 4 (Finish) completed

Explanation: This is a SLUADMIN AUDIt utility checkpoint message indicating the audit has completed the final phase. All Cartridge Access Ports (CAPs) reserved by this audit have been released, and if this is the last "active" audit (APPly(YES) specified or defaulted), the Audited Volume Table has been scanned and any volumes not located by the audit have been deleted from the control data set.

System Action: If this is (Final) started, audit processing continues; otherwise, audit processing is ended, and a termination return code message is issued (SLS0155I).

User Response: None.

SLS0235I

Audited volume *volser* is errant (lost)

Explanation: A SLUADMIN AUDIt utility has discovered a volume record in the control data set that has been marked "errant" (lost) for a volume in an audited library element. If this is an "active" audit (APPly(YES) specified or defaulted), the volume record is updated if the volume is found in the cell scan phase.

System Action: If APPly(YES) is specified and the volume is found during the LSM cell scan phase, the volume is removed from the errant set.

User Response: If the volume cannot be found, display the volume to determine its last known location. Use the VIew command to examine the last known location. If the volume still cannot be found inside the library, examine MSP SYSLOG/SCP CONSLOG and SMF data to determine if the volume was ejected or manually mounted and taken out of the ACS. Increase the scope of the audit.

SLS0236I

Audited volume *volser* has a cell index mismatch

Explanation: A SLUADMIN AUDIt utility has discovered a volume record in the control data set that has a home location in an audited library element, but the cell index for that location reflects a different or no volume serial number. If this is an "active" audit (APPly(YES) specified or defaulted), the cell index record is updated if it reflects no volume serial number, the volume serial number contained does not exist, or the volume record has a different home location.

System Action: The cell index portion of the control data set will be updated if APPly(YES) is specified.

User Response: If APPly(NO) is specified, a cell index mismatch occurs which can only be fixed if audited or if the volume actually in the cell is ejected or floated out of the LSM. Executing a location (specify ACS or LSM parameters) volume report will show the cell index mismatch.

SLS0237I

Audited volume *volser* is errant (lost) and has a cell index
mismatch

Explanation: A SLUADMIN AUDIt utility has discovered a volume record in the control data set that is marked errant (lost) and the cell index for its home location reflected a different or no volume serial number. If this is an "active" audit (APPly(YES) specified or defaulted), the cell index record is updated if it reflects no volume serial number, the volume serial number contained does not exist, or the volume record has a different home location   Also, if the volume is located in the cell scan phase of the audit, the control data set is updated and the volume made non-errant.

System Action: The cell index is updated if active audit. If the volume is found during the LSM cell scan and this is an active audit, the volume is removed from errant state.

User Response: If the volume cannot be found, attempt to increase the scope of the audit. If the volume still cannot be found, examine MSP SYSLOG/SCP CONSLOG and SMF data to determine when the volume was ejected or manually mounted.

SLS0238I

Audit scan for LSMid *AA:LL*, panel *DD* has completed

Explanation: This is a checkpoint message issued by a SLUADMIN AUDIt utility indicating the physical cell scan for the specified LSMid (*AA:LL*) and panel (*DD*) has completed.

System Action: HSC processing continues.

User Response: None.

SLS0239I

Audit scan for panels in LSMid *AA:LL* has terminated

Explanation: This is a checkpoint message issued by a SLUADMIN AUDIt utility indicating the physical cell scan for the specified LSMid has either completed normally or was terminated early due to an error identified by another message in the SLSPRINT output.

System Action: HSC processing continues.

User Response: None.

SLS0240I

Control data set configuration does not match the hardware
configuration

Explanation: A SLUADMIN AUDIt utility has encountered a difference in the control data set configuration and the hardware configuration as discovered by the physical cell scan.

System Action: The AUDIt utility is cancelled.

User Response: Either change the control data set configuration via LIBGEN or have the CSE alter the ACS configuration stored in the LMU.

SLS0241I

Invalid utility control statement

Explanation: A SLUADMIN utility has encountered a continuation or other general syntax error (e.g. unmatched parentheses) on a utility control statement, or the concatenated control statement exceeds the maximum length of 32767 characters.

System Action: The control statement is ignored.

User Response: Correct the syntax error, and resubmit the SLUADMIN utility job.

SLS0242I

Required parameter *CCCCCCCC* is missing

Explanation: A SLUADMIN utility function has encountered a control statement with a missing required parameter (*CCCCCCCC*).

System Action: The control statement is ignored.

User Response: Supply the missing parameter, and resubmit the SLUADMIN utility job.

SLS0243I

LMU or LSM failure during operation in LSMid *AA:LL*, RC= *XXXXXXXX*

Explanation: A SLUADMIN utility has encountered an error returned from a directed LMU or LSM operation.

System Action: The utility terminates processing.

User Response: Record the approximate time of failure, and contact StorageTek Software Support. After repair/adjustment actions have been performed, resubmit the SLUADMIN utility job.

SLS0244I

Scratch Redistribution completed successfully for ACS *AA*

Explanation: A SLUADMIN SCREdist (scratch redistribution) utility has completed balancing the scratch volumes (within the tolerance defined for the installation) for the specified ACS (*AA*).

System Action: HSC processing continues.

User Response: None.

SLS0245I

Specified ACS has fewer than two LSMs online; Scratch Redistribution will not run

Explanation: A SLUADMIN SCREdist (scratch redistribution) utility has determined that fewer than two online LSMs exist within the ACS being scratch balanced. Scratch redistribution cannot redistribute scratch volumes in this configuration.

System Action: The redistribution terminates without moving scratch cartridges.

User Response: If more than one LSM exists within the specified ACS, bring at least two LSMs online (see MODify command), and resubmit the scratch redistribution utility job.

SLS0246I

No scratch volumes exist; Scratch Redistribution will not run

Explanation: A SLUADMIN SCREdist (scratch redistribution) utility has determined no scratch volumes exist within the ACS being scratch balanced.

System Action: The utility terminates without moving scratch cartridges.

User Response: Use the SCRAtch update utility to define scratch volumes in the ACS, then resubmit the SLUADMIN utility job.

SLS0247I

Offline LSM in path for ejecting volume *volser*

Explanation: A SLUADMIN EJECt utility attempted to eject a cartridge, but the cartridge resides in, or needed to pass-thru, an offline LSM.

System Action: The utility continues without ejecting the cartridge.

User Response: Resubmit the SLUADMIN utility job when all LSMs are online.

SLS0248I

CAP is in offline LSM (LSMid *AA:LL*); eject utility terminating

Explanation: A SLUADMIN EJECt utility attempted to eject a cartridge, but the CAP, from which the cartridge was to be ejected, was in an offline LSM.

System Action: The utility terminates.

User Response: Resubmit the SLUADMIN utility job when all LSMs are online.

SLS0249I

Invalid scratch pool specified in PARM parameter of JCL statement

Explanation: The scratch pool specified is not one that is recognized by the SLUADMIN utility.

System Action: The utility terminates processing.

User Response: Specify AL, SL, NL, or NSL for the scratch pool, and resubmit the utility.

SLS0250D

Unnamed Cartridge in CAP cell `AA:LL:CC:RR:C`; reply "V,volser"
or "Eject"

Explanation: A cartridge with no optical label has been found in CAP cell
AA:LL:CC:RR:C where *RR* is a CAP row and *C* is a CAP column. The operator is
requested to provide a volume serial number for the cartridge. The cartridge is
"known" by this volume serial number.

System Action: Cartridge entry waits for the operator to respond to the query. If the
volume serial number is not a duplicate of another library cartridge, it is entered into
the library.

If an invalid response is entered, message SLS0926I is issued, then message
SLS0250D is reissued.

User Response: Respond with one of the following:

V,volser	Where volser is the appropriate volume serial number for the cartridge in question.
Eject	If the cartridge is to be ejected.

SLS0251E

Cartridge *volser* in CAP cell `AA:LL:CC:RR:C` is a duplicate and
cannot be entered

Explanation: A duplicate cartridge *volser* was found in CAP cell *AA:LL:CC:RR:C*
where *RR* is a CAP row and *C* is a CAP column. Duplicate cartridges are not
allowed to be entered into the library.

System Action: Cartridge entry leaves the cartridge in the CAP cell in which it is
found and continues with the next cartridge in the CAP.

User Response: Remove the duplicate cartridge from the CAP. If the cartridge must
be entered, eject the other cartridge with the same volume serial number and
attempt the cartridge entry again.

SLS0252I

Cartridge *volser* entered into LSMid *AA:LL*

Explanation: Volume serial number *volser* is entered into the library. Its location is
within the specified ACS and LSM.

System Action: The cartridge is entered, its volume serial number optically verified,
and it is moved to its new location.

User Response: None.

SLS0253I

Keyword *CCCCCCCC* cannot be specified more than once

Explanation: A SLUADMIN utility function encountered a SLSIN control statement
with a duplicate occurrence of the keyword *CCCCCCCC*.

System Action: The control statement is ignored.

User Response: Correct the control statement by and resubmit the SLUADMIN
utility job.

SLS0254I

Cartridge *volser* ejected to CAP cell *AA:LL:CC:RR:C*

Explanation: Volume serial number *volser* has been ejected and can now be found in the identified CAP.

System Action: The cartridge is ejected, and its volume serial number is deleted from the control data set.

User Response: Manually remove the cartridge from the CAP.

SLS0255E

Cartridge *volser* in CAP cell *AA:LL:CC:RR:C* has an invalid volser and cannot be entered

Explanation: Volume serial number *volser* contains an invalid character and will not be allowed in the ACS.

System Action: The cartridge is left in the CAP and should be removed when the CAP is opened.

User Response: Remove the cartridge from the CAP.

SLS0256I

Scheduled Enter (SENTER) cancelled

Explanation: A SENter command was entered for a CAP which was ejecting. No cartridge was entered, and the EJect completed without a cartridge being entered.

System Action: None.

User Response: The operator may want to start an ENter on the CAP in order to enter the cartridge needed.

SLS0257I

```
{ENTER|EJECT|END|BEGIN} failed; CAPid AA:LL:CC; DDDD1-DDDD2,
CCC...CCC
```

Explanation: ENTER|EJECT|END|BEGIN failed on specified CAPid (*AA:LL:CC*) due to an LMU error. *DDDD1* is the LMU return code followed by *DDDD2*, the LMU error category and code. *CCC...CCC* is a 32-byte description of the error.

Possible LMU return codes are:

6500 - Source is invalid
6501 - Source is empty
6502 - Source volser does not match
6503 - Source volser is not readable
6504 - Unexpected volser on source
6505 - Target is invalid
6506 - Target is full
6507 - Source/target not in same ACS
6508 - Source/target not in same LSM
6509 - Source/target not the same type
6510 - Connecting LSM path unavailable
6511 - LMU is not online
6512 - Lost communications with LMU
6513 - Ended - Overdue Response Handler
6514 - LSM hardware error
6515 - LMU error
6516 - CAP in maintenance mode
6517 - CAP door is open
6518 - Enter request pending
6519 - Eject request pending
6520 - CAP catalog pending
6521 - Drive load error
6522 - Drive unload error
6524 - CAP already resvd to this host
6525 - CAP reserved to another host
6526 - CAP not reserved to this host
6527 - Move is pending to/from CAP
6528 - LMU is dead
6529 - Invalid option flag specified
6530 - Option code is invalid
6532 - Volser unexpectedly readable
6541 - LMU listener attach failed
6542 - LMU timer attach failed
6543 - LMU station driver attach failed
6544 - LMU station simulator attach failed
6545 - LMU simulator attach failed
6546 - LMU worker attach failed
6548 - No HCT address was found in LVT
6549 - Offline rqst already in progress
6550 - Station is not offline
6551 - Station is not online
6552 - LMU does not exist
6553 - Station does not exist
6554 - Source/target not in same panel
6555 - Station is offline
6558 - Invalid function

6568 - No broadcast message present
6574 - Invalid character in volser
6575 - Invalid character in message
6578 - No seq-no on vary station online
6579 - Timeout to vary station online
6582 - Volume motion is complete
6584 - Invalid broadcast id
6586 - Drive active or not rewound
6587 - Drive load failed for special use cartridge
6590 - Unable to allocate station
6591 - Open failed for station
6592 - LSM is offline
6593 - Set host path group failed
6595 - Enter operations terminated
6596 - Cannot cancel enter on rel rqst.
6598 - Invalid response recd from LMU
65A0 - LSM is online
65A1 - LSM is pending online
65A2 - LSM is pending offline
65A3 - LSM is not ready
65A4 - LSM not offline
65A5 - LSM is in maintenance mode
65A6 - LMU I/O error
65A7 - Invalid cancel request
65A8 - Request was canceled
65A9 - Rqst to be canceled not active
65AA - Too late to cancel rqst spec.
65AC - Media miscompare
65AD - Media and volser miscompare
65AE - Incompatible media/drive
65AF - Missing CAP magazine
65FF - Request purged

System Action: The action in progress (ENTER, EJECT, END, or BEGIN) will not complete. The cartridge may be made errant depending on the point at which the failure occurred. This message may be followed by an SDUMP or SVC Dump.

User Response: Attempt to resolve the problem. If this is not possible, retain the dump, a copy of the MSP SYSLOG/SCP CONSLOG, and contact StorageTek Software Support.

SLS0258I

Request allowed selection of CAPid `AA:LL:CC`

Explanation: An ENter or EJect request defaulted to a system-selected CAP (*AA:LL:CC*). The message indicates the CAP chosen by the system for the request.

System Action: The cartridges requested are ejected/entered via the CAP indicated.

User Response: None.

SLS0261A

Open CAPid `AA:LL:CC` for entering when unlocked

Explanation: CAP processing is attempting to enter cartridges through CAP *AA:LL:CC*. The CAP door is unlocked when the LSM indicator lights so that the operator may open the door to enter cartridges. The CAP is identified by *AA:LL:CC* where *AA* is the ACSid, *LL* is the LSMid, and *CC* is the specific CAP number within the LSM.

System Action: The system waits until the operator opens and closes the CAP door at which time the system examines the CAP and attempts to enter cartridges found in the CAP.

User Response: Open the CAP door, place cartridges to be entered in the CAP, and close the CAP door.

SLS0262I

Volume *volser* made errant

Explanation: The current location of the volume could not be verified.

System Action: The volume is made errant.

User Response: None.

SLS0263D

No storage space available for enter; reply Retry or Abort (R,A)

Explanation: An enter request cannot complete due to one of the following conditions:

- The TLSM parameter was specified on the ENter command, but the requested LSM has insufficient storage space, or is offline or pending offline.
- The requested ACS has insufficient storage space, or all LSMs in the ACS are offline or pending offline.

If an audit is in progress, allocation of new cells is temporarily suspended.

System Action: The cartridge(s) remains in the CAP until the user responds.

User Response: Free the necessary storage space and retry the request, or abort the request and remove the cartridges from the CAP.

If LSM(s) are pending offline, abort the enter request to allow the LSM(s) to go offline. If the cartridges must be entered, modify the LSM(s) online temporarily and retry the enter.

SLS0265A

```
More than one cartridge in CAPid AA:LL:CC; expected only
cartridge volser
```

Explanation: Transport enter processing accepts only a single cartridge at a time to be entered and mounted. The referenced CAP contained more than one cartridge when scanned by the LSM.

System Action: Transport entry leaves all cartridges in the CAP and unlocks the door so that all cartridges except the one specified can be removed.

User Response: Open the CAP door, remove all cartridges except *volser*, and close the CAP door.

SLS0266I

```
Invalid function code (XX) passed in parm list
```

Explanation: An invalid function code (*XX*) was passed to the CAP error handler program, SLSCESET. Valid function codes are:

01 - ENTER
02 - EJECT
03 - END
04 - BEGIN

System Action: This message precedes a user abend U1096, RC=262.

User Response: Retain the SDUMP and a copy of the MSP SYSLOG/SCP CONSLOG. Contact StorageTek Software Support.

SLS0267A

```
CAP processing {ejecting|terminating}; empty CAPid AA:LL:CC
```

Explanation: Either a CAP eject process has loaded cartridges into the CAP for removal or a CAP enter process was unable to enter volumes from the CAP into the library. The operator can now open the CAP door and remove the cartridges from the indicated CAP.

System Action: The system waits until the operator opens and closes the CAP door at which time the robotics examines the CAP to ensure it is empty. After the system verifies that the CAP is empty, if the CAP process is not terminating, the enter or eject process continues. The system may reissue this message if cartridges are left in the CAP.

User Response: Open the CAP door, remove all cartridges, and close the CAP door. To continue a CAP enter process, wait until the system verifies the CAP is empty and unlocks the CAP door before placing cartridges in the CAP.

SLS0268I

```
UNSELECT failed for volser, RC=XXXX; volume is still selected
```

Explanation: The source location was found empty on an EJect, and the operator requested the operation be ignored. An attempt was made to unselect the volume (*volser*), but that request failed with the specified return code (*XXXX*).

System Action: The volume remains selected, and a control data set entry still exists because the volume was not fully ejected.

User Response: Determine the appropriate course of action from the return code.

SLS0269I

CAP termination found CAPid *AA:LL:CC* still active; will
attempt Drain

Explanation: The HSC is attempting to terminate. CAP processing detects an active CAP for this host and attempts to stop its CAP processing.

System Action: The system invokes an internal end CAP which may cause all cartridges in the CAP to be ejected.

User Response: Wait for further messages which may request operator actions.

SLS0270I

Attempt to enter duplicate volume *volser* rejected

Explanation: A SLUADMIN INITialize cartridge utility (MSP) or ENTEr cartridges utility (VM) encountered an attempted entry of a volume (*volser*) that was already in the library.

System Action: The SLUADMIN utility job continues with other volumes.

User Response: If the particular volume is required to be entered, relabel the cartridge, and resubmit the SLUADMIN utility job.

SLS0271I

Specified CAPid is not within ACS of Audit

Explanation: A SLUADMIN AUDIt utility requested a specific CAPid for an audit within a specified ACS, but the CAP was in a different ACS than the specified ACS of the audit.

System Action: The audit terminates processing.

User Response: Check the AUDIt utility control statement. Make sure that the specified ACS is actually the ACS containing the elements in which the audit is to be performed; and, if so, either change the CAP parameter to refer to a CAPid within the ACS, or do not specify the CAP parameter, allowing the utility to choose the highest priority CAP available. Then resubmit the SLUADMIN utility job.

SLS0272I

Volume *volser* is not in same ACS as CAP

Explanation: A SLUADMIN EJECt cartridge utility specified the Volser of a cartridge which resides in an ACS other than the ACS whose CAP was chosen for ejection.

System Action: The volume is not ejected; the utility continues with the next volume specified.

User Response: Resubmit the SLUADMIN utility job, specifying a CAP from the ACS in which the requested Volser resides.

SLS0273I

```
Attempt to enter unlabeled cartridge rejected
```

Explanation: A SLUADMIN INITialize cartridge utility (MSP) or ENTEr cartridges utility (VM) encountered an attempted entry of an unlabeled cartridge into the library, and the operator has aborted the entry.

System Action: The SLUADMIN utility job continues with other volumes.

User Response: If the particular cartridge is required to be entered, either label the cartridge with an external volume label, or instruct the operator to reply to the operator message with an acceptable Volser. Then resubmit the SLUADMIN utility job.

SLS0274I

```
Attempt to enter cartridge with invalid label volser rejected
```

Explanation: A SLUADMIN INITialize cartridge utility (MSP) or ENTEr cartridges utility (VM) encountered an attempted entry of a cartridge with an invalid volser or media label.

System Action: The utility job continues with other volumes.

User Response: If the particular volume is required to be entered, relabel the cartridge with an acceptable external label and resubmit the utility job.

SLS0276I

```
HSC server task abend; completion code XXXXXX
```

Explanation: A SLUADMIN utility function encountered an abend in its associated server task running in the HSC address space and terminated. The completion code (*XXXXXX*) indicates the abend code; either System (first three hex digits) or User (last three hex digits).

System Action: The utility terminates processing.

User Response: Contact StorageTek Software Support. There is also an SVC dump from the associated server task abend labeled "UTILITIES ESTAE ROUTINE"; save a copy of this dump to aid in diagnosing the problem.

SLS0277I

All journals are logically empty

Explanation. The specified journals had no deltas written to them since the last backup, and, so, were not applied to the control data set during restore processing. This occurred when the restore was performed immediately following a backup and simply means that no journal application to the control database is necessary.

System Action. None.

User Response. None.

SLS0278I

LSM server subtask servicing LSMid *AA:LL* abended

Explanation: A SLUADMIN AUDIt utility has detected an LSM server subtask abend in the HSC Address Space and has terminated the audit.

System Action: The utility terminates processing.

User Response: Contact StorageTek Software Support. There will also be an SVC dump from the associated server task abend labeled "AUDIT LSM SERVER ESTAE ROUTINE"; save a copy of this dump to aid in diagnosing the problem.

SLS0279I

An empty but allocated cell detected at cell *AA:LL:PP:RR:CC*

Explanation: A SLUADMIN utility function encountered an allocated cell in the control data set. If the utility is VOLRpt, no volume is assigned to the cell. If the utility is AUDIt, the physical cell scan found the cell to be empty.

System Action: The utility continues processing.

User Response: If this message is issued from an audit with APPly(YES) specified, the cell is freed. Otherwise, free the cell by running an audit with APPly(YES) against the panel in which the cell is located.

SLS0280I

Journaling is not active; journal offload is not performed

Explanation: A SLUADMIN Journal OFFLoad utility was attempted against the HSC journals for the installation, but the control data set indicated that journaling was not selected as a LIBGEN option for this installation.

System Action: The journal offload cannot be performed.

User Response: Refer to BACKup utility to determine if a regular BACKup utility should be executed or if the SET utility should be executed to change the recovery technique.

SLS0281I

Missing or invalid SLSOFF*dd* DD statement

Explanation: A SLUADMIN Journal OFFLoad utility could not successfully open the offload file represented by the SLSOFF*dd* DD statement (*dd* = 01 - 02).

System Action: The utility terminates processing.

User Response: Supply a correct SLSOFF*dd* DD statement to properly reference an offload file, and resubmit the SLUADMIN utility job.

SLS0282I

Journal at DDname SLSJRN*nn1* successfully off-loaded to data set defined by SLSOFF*nn2* DD statement

Explanation: A checkpoint message issued by the SLUADMIN Journal OFFLoad utility indicated that the identified journal file was successfully offloaded to the identified offload file (*nn1* = 01 - 02; *nn2* = 01 - 02).

System Action: None.

User Response: None.

SLS0283I

Offload of journal at DDname SLSJRN*nn* failed

Explanation: A SLUADMIN Journal OFFLoad utility could not successfully copy the contents of the identified journal file to an offload data set.

System Action: The utility terminates.

User Response: Look at the preceding message to determine the cause of the error, and refer to the explanation and action for it.

SLS0284I

SLSOFF02 DD statement specified, but no corresponding SLSJRN02 DD statement

Explanation: A SLUADMIN Journal OFFLoad utility encountered the identified offload file but could not find a corresponding journal file.

System Action: The utility terminates processing.

User Response: Specify corresponding offload and journal file DD statements in the SLUADMIN job JCL, and resubmit the SLUADMIN utility job.

SLS0286I

DDDDD volumes have been selected for scratching

Explanation: The number printed represents the total number of volumes selected for scratching.

System Action: None.

User Response: None.

SLS0287I

VOLSER parameter has a range value error

Explanation: A SLUADMIN utility encountered a SLSIN control statement with a VOLser parameter that had a value in a range format, but the range was illegal. Either the lengths of the low and high values were not equal, the non-incremental portion of the low and high values were not the same, or the incremental portion of the low range was not less than the incremental portion of the high range.

System Action: The utility terminates processing.

User Response: Correct the range value on the VOLser parameter of the control statement and resubmit the SLUADMIN utility job.

SLS0288I

User not authorized to use this utility function

Explanation: A SLUADMIN utility function that required execution out of an authorized library detected that it was invoked out of an unauthorized library. Either there has been an attempt to use a SLUADMIN utility function by an unauthorized user, or the utility software was improperly installed.

System Action: The utility terminates processing.

User Response: You should check with your local systems programming staff to clarify your requirements for needing the StorageTek automated library utility function. System programming should assure that the library software is properly installed in an authorized library.

SLS0289I

SORT failure; refer to the sort message data set or job log

Explanation: A SLUADMIN utility function requiring the SORT program encountered an error return code from SORT.

System Action: The utility terminates processing.

User Response: Refer to the sort message data set (SYSOUT DD) or job log (if there is no SYSOUT DD) for a message from SORT, correct the problem, and resubmit the SLUADMIN utility job.

SLS0290I

Subsystem is active on this host; restore terminated

Explanation: The RESTore utility detected that the HSC software subsystem was active on the host on which the restore operation was running. A restore operation requires that the subsystem not be running.

System Action: The utility terminates processing.

User Response: Bring down the subsystem, and rerun the RESTore utility.

SLS0291I

Volume *volser* is currently errant; unavailable for processing

Explanation: A SLUADMIN utility function was attempting to perform utility-specific processing against a specific volume serial number (*volser*), but the volume was errant (lost) at that time and the utility process could not be performed.

System Action: The utility continues processing with the next volume serial number.

User Response: This is not considered an error, but you may want to resubmit the SLUADMIN utility job after the next HSC subsystem initialization has been performed or after errant recovery for the volume has been accomplished.

SLS0292I

Scratch Redistribution failed - target LSM *AA:LL* has no available cells

Explanation: A SLUADMIN utility function was attempting to perform SCREdist (scratch redistribution), but the LSM specified had no available cells in which to move a scratch volume. There must be at least one free cell in every target LSM for scratch redistribution to take place.

System Action: The utility terminates processing.

User Response: Attempt to free a cell within the specified LSM, and resubmit the utility job or reduce the scope of the redistribution to LSMs which have at least one free cell.

SLS0293I

SLSTAPE DD statement does not identify a library transport

Explanation: A SLUADMIN INITialize cartridge utility encountered an SLSTAPE DD statement that did not represent a library transport.

System Action: The utility terminates processing.

User Response: Change the JCL so that the SLSTAPE DD statement identifies a valid library transport. Then resubmit the SLUADMIN utility job.

SLS0294I

SLSTAPE DD statement identifies a library transport in a
different ACS than the specified CAPid

Explanation: A SLUADMIN INITialize cartridge utility requesting a specific CAP
encountered an SLSTAPE DD statement that allocated a library transport in a
different ACS than the specified CAPid.

System Action: The utility terminates processing.

User Response: Either change the JCL so that the SLSTAPE DD statement identifies
a specific library transport in the same ACS as the specified CAP, or change the
initialize cartridge utility control statement CAP parameter. Then resubmit the
SLUADMIN utility job.

SLS0295I

Scratch Redistribution failed; too many LSMids specified

Explanation: More LSMids were used as a parameter to the SCREdist (scratch
redistribution utility) than were defined in the LIBGEN.

System Action: The utility terminates processing.

User Response: Resubmit the utility with the correct number of LSMids specified.

SLS0296I

Scratch Redistribution prematurely ended; even distribution may
not have occurred

Explanation: Prior to termination of the SCREdist (scratch redistribution) utility, it
was determined that the number of scratch volumes in a particular LSM was greater
than the expected value.

System Action: The utility completes processing.

User Response: Evaluate the spread of scratch volumes across LSMs within the
given ACS and determine if the spread is sufficient. If sufficient, do nothing further.
If not sufficient, try to determine why the spread of volumes was not as expected
(average number of scratch volumes per LSM, plus or minus the scratch tolerance
level). Resubmit the utility, if necessary, to complete process.

SLS0297I

VOLSER parameter not present with SCRATCH or UNSCRATCH option

Explanation: A SLUADMIN SCRAtch update utility encountered a SCRAtch or
UNSCratch control statement without the required VOLser parameter identifying
which volumes to scratch or unscratch.

System Action: The utility terminates processing.

User Response: Supply a VOLser parameter on the SCRAtch or UNSCratch control
statement, and resubmit the SLUADMIN utility job.

SLS0298I

Missing or invalid SLSSOUT DD statement

Explanation: A utility function could not locate the required output file in which to
put selected transactions.

System Action: The utility terminates processing.

User Response: Supply the SLSSOUT DD statement, and resubmit the utility job.

SLS0299I

```
Unexpected return code; RC=XXXXXXXX
```

Explanation: A SLUADMIN utility received an unexpected return code from an HSC address space component.

System Action: Utility processing continues, and a final condition code of 4 is returned.

User Response: Contact StorageTek Software Support.

SLS0320I

```
No value for tag T...T within header H...H for command C...C
```

Explanation: While processing a header XML tag, a data tag was found but had no value specified. A value for the data tag is required when the header tag is specified.

System Action: The command is not processed.

User Response: Correct the input command syntax and resubmit the request.

SLS0321I

```
Tag H...H missing required element preceding tag T...T for
command C...C
```

Explanation: While processing a header XML tag, a data tag was found that was not valid, or was not in the correct position, for the header tag.

Note that library location tags, such as acs, lsm, cap, etc. must be in logical sequence within a group tag.

System Action: The command is not processed.

User Response: Correct the input command syntax and resubmit the request.

SLS0322I

```
Both primary tag T...T and synonym T...T specified for command
C...C
```

Explanation: Two XML tags considered to be synonyms were both specified on the same command.

System Action: The command is not processed.

User Response: Correct the input command syntax and resubmit the request.

SLS0323I

```
Illogical XML table setup between keywords K...K and K...K for
command C...C
```

Explanation: This is an internal error. The parsing table for the command had the same XML tag specified for two different keywords.

System Action: The command is not processed.

User Response: This is an internal error. Contact StorageTek Software Support.

SLS0324I

```
Illogical XML table setup for keyword K...K for command C...C
```

Explanation: This is an internal error. The parsing table for the command had the same XML tag specified twice within the same keyword.

System Action: The command is not processed.

User Response: This is an internal error   Contact StorageTek Software Support.

SLS0325I

```
Header tag H...H contains unrecognized data tag T...T for
command C...C
```

Explanation: While processing a header XML tag, a data tag was found that was not valid (such as a tag longer than 32 characters) or a data tag was found after all defined subordinate data tags were processed.

System Action: The command is not processed.

User Response: Correct the input command syntax and resubmit the request.

SLS0326I

```
No compatible virtual scratch volumes found [in subpool S...S]
```

Explanation: In attempting to select a virtual scratch volume, no compatible volumes were found. If a subpool was specified in the request, then no volumes were available in the specified subpool.

System Action: No scratch volume is selected.

User Response: If possible, specify a different subpool for the request, or submit a scratch request to make a scratch   volume available.

SLS0327I

```
No compatible scratch volumes found in ACS AA [for media
M...M] [for rectech R...R] [in subpool S...S]
```

Explanation: In attempting to select a scratch volume, no compatible volumes were found in the required ACS. If media, subpool, or rectech was specified, then no volumes were available that satisfied these criteria.

System Action: No scratch volume is selected.

User Response: If possible, specify a different subpool or media for the request, or submit a scratch request to make a scratch volume available.

SLS0328I

```
No scratch volumes found [for media M...M] [for rectech R...R]
[in subpool S...S]
```

Explanation: In attempting to select a scratch   volume, no library scratch volumes were found. If media, rectech, or subpool was specified, then no volumes were available that satisfied these criteria.

System Action: No scratch volume is selected.

User Response: If possible, specify a different subpool or media for the request, or submit a scratch request to make a scratch   volume available.

SLS0329I

Volume *volser1* media is incompatible with first volume *volser2*

Explanation: A QUery VOLUME_INFO request specifying both multiple volumes and drive information had an incompatible media between the first and subsequent specified volumes.

System Action: Media and recording techniques for selected drives are based on the first volume. If an attempt is made to mount both volumes on the same drive, the second mount request will fail.

User Response: Correct the input and resubmit the request.

SLS0330I

Parameter *P...P* value *V...V* is incompatible with parameter *P2...P2 volser2*

Explanation: A parameter *P...P* had a value *V...V* which is incompatible with the presence of parameter *P2...P2*.

System Action: The command is not processed.

User Response: Correct the input and resubmit the request.

SLS0331I

Either parameter *P...P* or parameter *P2...P2* is required for for command *C...C volser2*

Explanation: A command *C...C* was entered that requires one of the two specified parameters.

System Action: The command is not processed.

User Response: Correct the input and resubmit the request.

SLS0332I

No compatible drives for request *volser2*

Explanation: A query command for either a specific or scratch volume was received. Based on the volume's media and location, or the scratch policy, no compatible drives were found for the request.

System Action: No drive information is returned.

User Response: If possible, change the request and resubmit.

SLS0333I

No virtual volumes in subpool

Explanation: A query a virtual scratch volume was received. The request specified a subpool that did not contain any virtual volumes, or specified no subpool in a system with VOLPARM in effect, and there are no virtual volumes in the DEFAULTPOOL.

System Action: The request returns a warning.

User Response: Ensure that virtual volumes are available in the subpool prior to selecting a scratch or attempting a scratch mount.

SLS0334I

No valid media, model or rectech specified

Explanation: A query command was submitted with some combination of media, model and rectech parameters, but no valid values were found for any of these.

System Action: The request returns an error.

User Response: Correct the specified media, model, or rectech parameters and resubmit the request.

SLS0350I

Invalid TMS specified in PARM parameter of JCL

Explanation: The name specified in the PARM field for the Scratch Conversion utility of the SCRAtch update function is not TMS, TLMS or RMM.

System Action: The utility terminates processing.

User Response: Correct the value, and resubmit the Scratch Conversion utility of the SCRAtch update function.

SLS0351I

Scratch cartridges are within scratch tolerance level - Scratch Redistribution completed successfully

Explanation: A SCREdist (scratch redistribution) utility function completed successfully, and LSMs involved in the process contain the number of scratch cartridges that fall within the scratch tolerance level.

System Action: None.

User Response: None.

SLS0352I

Audit unable to physically scan cell *AA:LL:PP:RR:CC*

Explanation: A SLUADMIN AUDIt utility function was unable to perform a physical scan of the specified cell (*AA:LL:PP:RR:CC*). If the audit is "active" (APPly(YES) specified or defaulted on the control statement), corrective action could not be performed for that cell.

System Action: The situation is treated as a condition code 4 error; the audit job continues.

User Response: Depending on the cell contents and condition of the control data set, a secondary audit may have to be run against a library element containing the identified cell.

SLS0353I

```
Audit unable to eject volume volser at cell AA:LL:PP:RR:CC
which is a duplicate with volume in cell AA:LL:PP:RR:CC
```

Explanation: A SLUADMIN AUDIt utility function has encountered more than one library cartridge with the specified volume serial number (*volume*). The first specified location (*AA:LL:PP:RR:CC*) refers to the duplicate, and the second refers to the original. An attempt was made to eject the duplicate, but the audit encountered an LMU error and was unable to successfully eject the duplicate volume.

System Action: The situation is treated as a condition code 4 error; the audit job continues.

User Response: If an error persists, contact your local StorageTek CSE. Depending on which volume should be in the library, the volume left in the library may have to be ejected, the duplicate located, and re-entered.

SLS0354I

```
Audit unable to eject cartridge at cell AA:LL:PP:RR:CC which
has an unreadable or illegal external label
```

Explanation: A SLUADMIN AUDIt utility encountered an unlabeled cartridge, a cartridge with an unreadable external label, or a cartridge with a label containing illegal characters in the defined location (*AA:LL:PP:RR:CC*). An attempt was made to eject the cartridge, but the audit encountered an LMU error and was unable to successfully eject the cartridge.

System Action: The situation is treated as a condition code 4 error; the audit job continues.

User Response: If an error persists, contact your local StorageTek CSE. The cartridge should be located, and the label examined. If the label is destroyed, it should be relabeled and re-entered into the library or replaced in its original location and another audit performed on a library element containing its cell location.

SLS0355I

```
ROW parameter not allowed with PANEL value list parameter
```

Explanation: A SLUADMIN AUDIt utility encountered a control statement with a ROW parameter and a PANel parameter that has a value list (more than one Panel id). There can only be one panel identified on the AUDIt control statement if the ROW parameter is supplied.

System Action: The control statement is ignored.

User Response: Correct the parameters on the control statement, and resubmit the SLUADMIN utility job.

SLS0356I

```
COLUMN parameter not allowed with ROW value list parameter
```

Explanation: A SLUADMIN AUDIt utility encountered a control statement with a COLumn parameter and an ROW parameter that has a value list (more than one ROW id). There can only be one ROW identified on the AUDIt control statement if the COLumn parameter is supplied.

System Action: The control statement is ignored.

User Response: Correct the parameters on the control statement, and resubmit the SLUADMIN utility job.

SLS0357I

```
Row index XX is invalid
```

Explanation: The row number (*XX*) specified on the command or utility control statement is invalid for the LSM type.

System Action: The command is rejected.

User Response: Respecify the ROW parameter, and resubmit the request.

SLS0358I

```
Column index XX is invalid
```

Explanation: The column number (*XX*) specified on the command or utility control statement is invalid for the LSM type.

System Action: The command is rejected.

User Response: Respecify the COLumn parameter, and resubmit the request.

SLS0360E

```
{EJECT|AUDIT} Utility unable to reserve CAPid AA:LL:CC;
utility waiting
```

Explanation: A SLUADMIN utility function requiring a Cartridge Access Port (CAP) either could not allocate the specific CAP (if a CAP parameter was specified on the utility control statement) because that CAP was in use by another process, or no unreserved CAPs with a non-zero preference priority exist in the ACS where the CAP is required.

System Action: The utility waits until either a non-zero priority CAP becomes available or until the specific CAP is available.

User Response: Either cancel the utility and specify a different CAPid, or wait for the process using the specific CAP to complete. The utility continually attempts to acquire the CAP. If no CAP was specified, display the preference priorities for CAPs in the ACS, and set an available CAP preference to non-zero (see Display and CAPPref library commands), and resubmit the SLUADMIN utility job.

SLS0361I

```
Duplicate CAPid AA:LL:CC specified; duplicate is ignored
```

Explanation: A SLUADMIN EJECt cartridges utility specified the same CAPid (*AA:LL:CC*) multiple times on the utility control statement.

System Action: The SLUADMIN utility job continues, while ignoring multiple occurrences of previously specified CAPids.

User Response: Remove the duplicate CAPid specification on the utility control statement.

SLS0363I

```
Invalid specification of MIXED in PARM field of JCL statement
```

Explanation: The name specified in the PARM field for Mixed case report headings and messages is invalid.

System Action: The utility is terminated.

User Response: Specify Mixed correctly, and resubmit the SCRAtch update conversion program.

SLS0365I

```
An audit of LSM AA:LL, panel PP is recommended
```

Explanation: While running the SCREdist (scratch redistribution) utility, a discrepancy was found between the control data set location and the physical location in the library.

System Action: None.

User Response: It is recommended that an audit of at least the specified panel be run to correct the discrepancy.

SLS0366I

```
Volume volser not found in location (AA:LL:PP:RR:CC) specified
in Control Data Set
```

Explanation: During the process of verifying a volume and its location, the volume did not match the location specified in the control data set.

System Action: The volume was not moved during this operation.

User Response. An attempt should be made to locate the volume in question. If necessary, perform an audit of the panel where the volume resided.

SLS0367I

```
External label on volume volser is unreadable
```

Explanation: While running the SCREdist (scratch redistribution) utility, the label on the referenced volume was not readable.

System Action: The volume was not moved during this operation. The control data set has been marked to reflect this condition.

User Response: The referenced volume should be ejected from the library and its external label examined to determine why the label is not readable. If this condition exists on several volumes, report this condition to a StorageTek CSE.

SLS0368I

```
Cell AA:LL:PP:RR:CC is empty - found during Scratch
Redistribution
```

Explanation: While running the SCREdist (scratch redistribution) utility, the cell in question was found to be empty. The control data set indicated the cell contained a scratch volume and was attempting to move it when this condition was discovered.

System Action: None.

User Response: Audit the specified cell to correct this condition.

SLS0369I

```
Volume volser is a cleaning cartridge; labelling ignored
```

Explanation: While running the initialize cartridge utility, a cartridge was entered whose Volser matches that of the cleaning cartridges. The tape is not initialized but is entered into the LSM.

System Action: None.

User Response: If the cleaning cartridge was intended to be entered, do nothing. If the cleaning cartridge was unintentionally entered, you may wish to eject the cartridge.

SLS0370I

Volume *volser* is a cleaning cartridge; cannot be entered into
Scratch List

Explanation: A SLUADMIN SCRAtch update utility attempted to add a specified
volume serial number (*volser*) to the library scratch pool, but the Volser qualifies as a
library cleaning cartridge and cannot be treated as a scratch volume.

System Action: The utility continues processing.

User Response: The error does not cancel the SCRAtch update utility, but you may
want to check the specified volume serial number, correct it, and resubmit the
SLUADMIN SCRAtch update job.

SLS0373I

DDname *CCCCCCCC* failed to open

Explanation: An attempt to open the specified file was not successful.

System Action: Refer to operating system messages and codes for appropriate
action.

User Response: Make the necessary correction, and run the utility again.

SLS0374I

Cleaning cartridge prefix has been set to *CCC*

Explanation: The Auto-Clean conversion utility ran successfully, and the prefix for
the auto-clean cartridges was set to *CCC*.

System Action: None.

User Response: None.

SLS0375I

Duplicate Data Set names have been found

Explanation: An attempt was made to run a utility, and it was found during
execution that duplicate data set names existed for multiple DD statements.

System Action: Verify data set names on all DD statements.

User Response: Make the necessary corrections, and run the utility again.

SLS0376I

Volume *volser* is now unselected; owning host was *CCCCCCCC*

Explanation: The UNSElect utility ran successfully, and the specified volume is now
unselected. The host owning the volume is specified.

System Action: None.

User Response: None.

SLS0377I

Volume *volser* was not selected

Explanation: The UNSElect utility found that the specified volume was not selected.

System Action: None.

User Response: None.

SLS0378I

volser not ejected, not found in cell; IGNORED

Explanation: During EJect processing, a volume to be ejected was not found in its cell. The following messages may also be issued by HSC at the console: SLS0698I, SLS0699I, and SLS0925D. The operator replied "I" in response to SLS0925D.

System Action: EJect continues without ejecting the cartridge. Condition code 4 is set.

User Response: None necessary; however, it may be desirable to run the AUDIt utility in an attempt to locate the volume.

SLS0379I

volser not ejected, not found in cell; DELETED FROM CONTROL DATA SET

Explanation: During EJect processing, a volume to be ejected was not found in its cell.

System Action: EJect continues without ejecting the cartridge. The corresponding volume record is deleted from the control data set.

User Response: None necessary; however, it may be desirable to run the AUDIt utility in an attempt to locate the volume.

SLS0380I

Unable to communicate with *CCCCCCCC* to unselect *volser*

Explanation: The UNSElect utility attempted to route the unselect request to the specified host in order to ensure that some in-memory tables were updated was unsuccessful.

System Action: The utility terminates.

User Response: Re-establish communication with the specified host, or run the UNSElect utility on the specified host.

SLS0381A

{AUDIt|EJect|INITialize} Utility unable to reserve a CAP in ACS *AA*; utility waiting

Explanation: A SLUADMIN utility function could not allocate a required CAP in the specified ACS because all CAPs were in use by another process, or no unreserved CAPs with a non-zero preference priority exist in the ACS where the CAP is required.

System Action: The utility waits until a non-zero priority CAP becomes available or until a zero priority CAP in the specified ACS is made non-zero.

User Response: Display the preference priorities for CAPs in the ACS, and set the preference of an available CAP to non-zero (see Display and CAPPref library commands). The utility continually attempts to acquire a CAP, so the newly preferenced CAP is selected.

SLS0382I

```
SMF input file is not sorted by SMF record type, Date and
Time; utility terminated
```

Explanation: A request to run the HSC Activities Report utility was made, but the SMF input data was not sorted by SMF record type, date and time.

System Action: The utility terminates.

User Response: Sort the SMF input data specifying the sort control statements as follows:

```
INCLUDE COND=(6,1,BI,EQ,'FF')
SORT FIELDS=(15,4,CH,A,11,4,PD,A,7,4,BI,A)
SUM FIELDS=NONE
```

Note – X'FF' is the SMFid default of 255. SMFid range can be from 00-FF and should match SMFid you are using.

After sorting the SMF data, change Activities Report JCL to point to the newly sorted file, if necessary, and rerun the job.

SLS0383I

```
I/O error CCCCCCCC
```

Explanation: An I/O error occurred against one of the utility data sets. *CCCCCCCC* is message information describing the error. This could include the jobname, unit address, DD name, a hex dump of the DECB ECB, and the relative block number.

System Action: The utility terminates.

User Response: Correct the problem, and rerun the utility.

SLS0384I

```
CCCCCCCC parameter changed from DDDDDDDD to EEEEEEEE
```

Explanation: The SET utility successfully changed the *CCCCCCCC* parameter from *DDDDDDDD* to *EEEEEEEE*.

System Action: None.

User Response: None.

SLS0385I

```
Hostid CCCCCCCC is active
```

Explanation: The utility has determined that the specified host is active; however, the requested function requires the specified host to be down.

System Action: The utility terminates.

User Response: Ensure the specified host is inactive, and rerun the utility.

SLS0386I

```
HOSTid CCCCCCCC is active
```

Explanation: The SET utility has determined that the specified host is active; however, the requested function requires the specified host to be inactive.

System Action: The utility terminates.

User Response: Rerun the utility specifying an inactive HOSTid.

SLS0387I

```
Parameter CCCCCCCC1 would create duplicate values of CCCCCCCC2
```

Explanation: The SET utility has determined that a parameter specified duplicate values.

System Action: The utility terminates.

User Response: Rerun the utility, but do not specify duplicate parameters.

SLS0388I

```
Hostid CCCCCCCC not found.
```

Explanation: The Hostid *CCCCCCCC* was not found in database.

System Action: The utility terminates processing.

User Response: Correct the Hostid to be a valid CDS host and resubmit the job.

SLS0389I

```
Database not formatted for dynamic Host addition.
```

Explanation: The Database must be at HSC Release 2.1.0 or above to add a new Host to the database.

System Action: The utility terminates processing.

User Response: Install the current release of HSC and rerun the utility job.

SLS0390I

```
Database already contains maximum number of Hostids.
```

Explanation: The database already contains 16 Hostids.

System Action: The utility terminates processing.

User Response: Verify all Host in database are required by your installation. If so, you may not add another Host to this configuration. If not, rerun LIBGEN to delete the inactive Host and add the new Host.

SLS0391I

```
All host DHBEFLAGS reset in CDS
```

Explanation: During execution of the SLUADMIN RESTore utility, after primary CDS is reconstructed, but before it is copied to the secondary copy, all DHBEFLAGS for all hosts were reset to null. This insures all hosts start normal with no residual status information.

System Action: None.

User Response: None.

SLS0392I

```
Option CCC...CCC is invalid
```

Explanation: The option specified (*CCC...CCC*) is invalid.

System Action: The utility terminates processing.

User Response: Respecify the option, and resubmit the utility job.

SLS0393I

```
Cell location parameter contains non-hex value
```

Explanation: A value in the cell location parameter does not contain valid hex data.

System Action: The utility terminates processing.

User Response: Correct the cell location parameter, and resubmit the utility job.

SLS0394I

```
Audit at ROW or COLUMN level of non-existent cell
AA:LL:PP:RR:CC
```

Explanation: A SLUADMIN AUDIt utility function was unable to perform a ROW or COLumn level audit of the specified cell (*AA:LL:PP:RR:CC*). This is due to the cell location specified being a non-existent cell.

System Action: No corrective action is required; however, you may wish to modify the AUDIt control statement to exclude non-existent cell(s). This is treated as a condition code 4 error, and the audit job continues.

User Response: None necessary; however, it may be desirable to modify similar AUDIt utility control statements to exclude non-existent cells when the audit is at the ROW or COLumn level.

SLS0395I

```
Panel free-cell count corrected for LSMid AA:LL, panel PP
```

Explanation: A SLUADMIN AUDIt utility function found that the free-cell count for the panel *PP* in LSM *AA:LL* disagreed with the actual number of free cells found by the audit. This message is only issued when audits are performed at the panel level or higher (i.e., LSM or ACS).   The count was corrected to agree with the actual number of free cells detected.

System Action: No corrective action is required. The audit job continues.

User Response: None.

SLS0396I

```
LSM free-cell count corrected for LSMid AA:LL
```

Explanation: A SLUADMIN AUDIt utility function found that the free-cell count in LSM *AA:LL* disagreed with the actual number of free cells found by the audit. This message is only issued when audits are performed at the LSM or ACS level. The count was corrected to agree with the actual number of free cells detected.

System Action: No corrective action is required. The audit job continues.

User Response: None.

SLS0397I

```
Volume volser not found in library; not ejected
```

Explanation: A SLUADMIN INIT utility function was attempting to perform EJECt processing against a specific volume serial number (*volser*), but the volser was no longer in the library.

System Action: This is the result of the volser (*volser*) being ejected through another CAP before the INIT job has completed. A return code of 4 is set, and processing continues with any other EJECt requests that may be present.

User Response: None.

SLS0398I

Host *CCCCCCCC* added to database.

Explanation: The Newhost *CCCCCCCC* was added to the database.

System Action: The utility terminates processing.

User Response: No action required.

SLS0399I

Parameter *CCCCCCCC* has an invalid syntax

Explanation: A SLUADMIN utility encountered a SLSIN control statement containing a parameter (*CCCCCCCC*) with invalid syntax such as a missing closing parenthesis.

System Action: The control statement is ignored.

User Response: Correct the syntax of the parameter on the control statement, and resubmit the SLUADMIN utility job.

SLS0400E

CCC...CCC CONFLICTS WITH *CCC...CCC*

Explanation: The SET LOGFILE utility discovered a conflict between two logfile names such that logfile data set 1 is identical to logfile data set 2, or one of the new names specified conflicts with an existing name.

System Action: The utility terminates with a return code of 8.

User Response: Correct the SET LOGFILE data set names and re-submit the utility.

SLS0401I

Disabled logfile [1|2] is queued to be re-enabled

Explanation: During the SET LOGFILE utility processing, a new logfile DSN was found to be the same as the DSN in corresponding active position, and that logfile is flagged as disabled. After formatting validation, the log file name is queued to be re-enabled.

System Action: None.

User Response: The OFFLOAD LOG utility must be executed to re-enable the disabled log file.

SLS0402E

SET LOGFILE not allowed; OFFLOAD LOG in progress

Explanation: During the SET LOGFILE process, the CDS indicated that a logfile OFFLOAD was in progress.

System Action: The utility terminates with a return code of 8.

User Response: If the offload utility is currently executing, allow the offload to complete, then re-submit the SET LOGFILE utility.

If the offload utility previously failed, run the OFFLOAD LOGFILE with the RESTART keyword, then re-submit the SET LOGFILE utility.

To stop logging entirely without retaining any existing logfile data, run the following command:

SET LOGFILE(OFF) IMMED

SLS0403E

```
SET LOGFILE DSN CCCCCCC1 is not valid; CCCCCCC2
```

Explanation: During the SET LOGFILE utility processing, the utility attempted to validate the requested new log file names, and the file for data set name CCCCCCC1 was found to have an error CCCCCCC2 that would prevent its use.

System Action: The SET LOGFILE utility terminates with a return code of 8.

User Response: Ensure that the log file for the indicated data set name exists and is cataloged, and that it has been formatted using the FMTLOG utility. If there is a currently active log file, ensure that the number of blocks in the new log file matches the number in the existing log file.

SLS0404I

```
Volume Serial volser found selected at HSC Termination
```

Explanation: A library volume (*volser*) was found selected during termination of the HSC. This indicates the volume is still in use, or a HSC function abended while "owning" that volume, i.e., had it selected, and the operator then stopped the HSC.

System Action: HSC Termination unselects the volume.

User Response: None.

SLS0405I

```
LOGFILE [1|2] DSN CCCCCCCC is unchanged
```

Explanation: During the SET LOGFILE utility processing, the indicated log file data set name was the same as the active log file in this position.

System Action: None.

User Response: None.

SLS0406W

```
WARNING: Error on offload logfile restart; log offload flag is
reset
```

Explanation: The OFFLOAD LOGFILE utility attempted to restart a failed offload, and the log files being offloaded do not match the names of the current active log files. The restart has also failed with the offloaded log files disabled.

System Action: The "offload in progress" indicator is reset.

User Response: The log file(s) for which the failed offload was executing cannot be offloaded. If new log file(s) were set by the previous offload, processing can continue normally. Otherwise, there are currently no active log files on the system. You can use the SET LOGFILE utility to establish new log file names or to re-activate disabled log files.

SLS0410I

```
Free-Cell count error detected for LSM AA:LL, Panel PP
```

Explanation: The record in the HSC Control Data Set (CDS) which tracks available Free Cells for LSM *AA:LL* has an error for Panel *PP*. The HSC attempts to allocate a free cell in another panel in this LSM.

System Action: There is no immediate action to be taken. However, an audit for the specified panel *PP* in LSM *AA:LL* should be scheduled to correct the CDS error.

User Response: None.

SLS0411I

```
Free-Cell count error detected for LSM AA:LL
```

Explanation: The record in the HSC Control Data Set (CDS) which tracks available free cells for LSM *AA:LL* has an error. The LSM free cell count was non-zero, but there were no free cells available in any of the panel free cell maps. The HSC will zero the LSM free cell count.

System Action: There is no immediate action to be taken. However, an audit for LSM *AA:LL* should be scheduled to verify the CDS cell allocation information.

User Response: None.

SLS0451I

```
No matching HOSTid
```

Explanation: The host identifier found in the LVT does not match any host identifier found in the LCT. Configuration initialization could not complete.

System Action: The HSC terminates processing.

User Response: Possible LIBGEN error or execution of the HSC on a non-LIBGENed host is being attempted. Check the input on the LIBGEN macros; if an error is found, regenerate the control data set with another LIBGEN.

SLS0452I

```
Attach failed for module SLSFLSMC
```

Explanation: Configuration Control initialization received an error return code from ATTACH when attaching SLSFLSMC (the LSM Change Function Listener Task) load module.

System Action: The HSC terminates processing.

User Response: Make sure that the SLSFLSMC load module is in a library available to the HSC through its JOBLIB or link list.

SLS0453I

```
LMU error XXXXXXXX varying {ACS AA|station C...C} online
```

Explanation: A Configuration Control function received an error from the LMU driver (return code = *XXXXXXXX*) when attempting to vary station (device address *C...C*)|ACS *AA* online.

System Action: The Configuration Control function is aborted. This may cause other higher level functions to be aborted as well.

User Response: Examine MSP SYSLOG for LMU I/O errors which occurred during the same time frame to determine if it is an LMU device error, or a software problem. If a software problem is suspected, contact StorageTek Software Support.

SLS0457I

```
LMU error XXXXXXXX modifying LSMid AA:LL online
```

Explanation: A Configuration Control function received an error return code (*XXXXXXXX*) from the LMU driver when attempting to modify a specific LSM (*AA:LL*) online.

System Action: The LSM remains offline.

User Response: Ensure the LMU is in communication with the host, is online, and the LSM is ready, and reissue the command.

SLS0458I

`LMU error XXXXXXXX modifying LSMid AA:LL offline`

Explanation: A Configuration Control function received an error return code (*XXXXXXXX*) from the LMU driver when attempting to modify a specific LSM (*AA:LL*) offline, possibly even after issuing operator command MODify lsm OFFline with the FORCE option.

System Action: The modify request is aborted. The LSM is left in its prior state.

User Response: Ensure the LMU is in communication with the host, is online, and the LSM is ready, and reissue the command. If that is unsuccessful, vary the LMU stations offline and reissue the command.

SLS0459E

`LSM AA:LL not selected - Lock held by host CCCCCCCC`

Explanation: HSC was attempting to bring LSM *AA:LL* online (either during initialization or because of a "MODify LSM *AA:LL* ONline" operator command). Exclusive control of the LSM record in the CDS could not be obtained because the record was locked by the HSC running on host *CCCCCCCC*.

System Action: Although the LSM will be brought online, some configuration validation is skipped. Particularly, tape drive types may not be recognized, and will be assigned to the default type. This can have negative results for allocation or RTD usage. Operator intervention will be required to remedy the situation.

User Response: First, determine whether the HSC host *CCCCCCCC* is active. In the unlikely event of that HSC having been in initialization at exactly the same moment, then the problem was transient. To recover, modify LSM *AA:LL* offline and then back online.

```
MODify LSM AA:LL OFFline
MODify LSM AA:LL ONline
```

If HSC host *CCCCCCCC* is not active, or your attempt to modify the LSM offline fails, then you must Force the LSM offline before modifying it back online.

```
MODify LSM AA:LL OFFline FORCE
MODify LSM AA:LL ONline
```

Once the LSM is back online, you may issue a Display Drives command to verify that all drives have been detected and configured.

SLS0460I

```
LSM AA:LL mismatch: LMU value T - CDS value T
```

Explanation: The Configuration Control verification function detected a mismatch between the LSM configuration defined in the LMU and that found in the control data set for LSM *AA*:*LL*. Each *T* will be replaced by one of the following values:

X - the LSM is defined as a 4410 or 9310
3 - the LSM is defined as a 9360
6 - the LSM is defined as a 9740
7 - the LSM is defined as a SL8500
8 - the LSM is defined as a SL3000
 . - the LSM is not defined

System Action: Configuration Control verification continues in order to report on all mismatches. The HSC remains up, but the station (LMU) will stay offline.

User Response: A comparison of the two status lines shows where the differences in LSM configurations are. Based on the actual physical configuration, (1) change the LIBGEN parameters to correspond to the LMU configuration and regenerate the control data set with another LIBGEN or (2) have the StorageTek CSE change the LMU configuration to match the LIBGEN parameters.

SLS0500I

```
Copyright (C) 1991, 2010, Oracle and/or its affiliates.
All rights reserved.
```

Explanation: This message is issued during host software initialization.

System Action: None.

User Response: None.

SLS0501I

```
Module CCCCCCCC return code XXXXXXXX
```

Explanation: The module called completed with a return code of *XXXXXXXX* during initialization or termination list processing.

System Action: For most errors, the HSC terminates to the next level when an error is encountered during initialization. For certain severe errors, the HSC terminates. When an error is encountered during termination, the HSC continues termination processing.

User Response: If the problem occurs consistently during initialization or termination and the return code does not give sufficient information to point to the problem, contact StorageTek Software Support.

SLS0503I

```
SMF subtype XX is invalid and is ignored
```

Explanation: The SUBPARM parameter for this subsystem specified an invalid subtype. The allowed values are between "1" and the documented maximum value.

System Action: The value was ignored, and processing continues with the next subtype value, if any.

User Response: If the installation wishes to change the subtypes being recorded, edit the appropriate SMFPRMxx member in "SYS1.PARMLIB" specifying SUBPARM(ssnx(SUBTYPE(a,b,c...))) with the correct subtypes. Then issue a SET SMF to place those subtypes into effect.

SLS0504I

Error processing *CCCCCCCC1*; abend *CCCC2* RC*XXXXXXXX*

Explanation: The call to module *CCCCCCCC1* completed with either a user or a system abend (*CCCC2*) and reason code RC*XXXXXXXX* during initialization or termination list processing.

System Action: Depending on the type of abend, initialization/termination may continue.

User Response: Look for any related messages in the SYSLOG and the Job Log. If the problem is a system abend, consult the IBM MSP Extended Architecture Message Library: System Codes Manual. If the problem is a user abend, consult the appropriate IBM documentation. If you are unable to solve the problem using these manuals, contact StorageTek Software Support.

SLS0505I

SSCVT *CCCC* not allocated for HSC subsystem

Explanation: During initialization, the HSC subsystem detected that no SSCVT had been created for this invocation of the subsystem.

System Action: The HSC terminates processing.

User Response: Ensure that the HSC subsystem is properly defined in the IEFSSNxx member of SYS1.PARMLIB and that module SLSBPREI is present in a library in the system linklist.

SLS0506I

Modify commands not supported by *CCCC* HSC subsystem

Explanation: A MODify (F) command was directed to the HSC subsystem. The modify interface is not supported at this time.

System Action: The command is rejected.

User Response: None.

SLS0507I

HSC preinitialization failure

Explanation: During initialization, the HSC subsystem detected an error in preinitialization.

System Action: The HSC terminates processing.

User Response: Contact StorageTek Software Support.

SLS0508I

Multiple subsystem start not allowed; ACS *CCCC*
{ACTIVE|TERMINATING|INITIALIZING| RECONFIGURING|INVALID FLAG}
in single mode

Explanation: An attempt to start an additional HSC subsystem was rejected because another HSC subsystem is running in single mode.

System Action: The new subsystem terminates processing and the running subsystem continues processing.

User Response: Determine which subsystems are to be running and start or stop the correct subsystems.

SLS0509I

```
Single mode HSC start rejected; another HSC subsystem is
active
```

Explanation: An attempt to start an HSC subsystem was rejected because another HSC subsystem was running.

System Action: The new subsystem terminates processing, and the running subsystem continues processing.

User Response: Determine which subsystems are to be running, and start or stop the correct subsystems.

SLS0510I

```
Multiple SSCVTs exist for HSC subsystem CCCC
```

Explanation: During subsystem initialization, the subsystem detected the presence of two HSC SSCVTs having the same SSCTSNAM field.

System Action: The HSC terminates processing.

User Response: Ensure that the subsystem name table only has one entry for the HSC subsystem. Re-IPL to recreate the SSCVT chain.

SLS0511I

```
All keywords following error are ignored
```

Explanation: The EXECParm statement contained invalid keywords. Parsing stopped at the keyword displayed in the previous message, and the subsystem continues to initialize.

System Action: HSC initialization continues with only a portion of the PARM string parsed.

User Response: Restart the subsystem correcting the error displayed in the previous error message.

SLS0512E

```
HSC subsystem CCCC is {ACTIVE|TERMINATING|INITIALIZING|
RECONFIGURING|INVALID FLAG}
```

Explanation: The subsystem was started and has determined that another HSC subsystem with the name *CCCC* is
ACTIVE|TERMINATING|INITIALIZING|RECONFIGURING| INVALID FLAG.

System Action: The new subsystem terminates processing.

User Response: If the operator determines that the message was issued in error, restart the subsystem specifying the RESET option on the start parameter.

SLS0518D

```
*WARNING* The HSC subsystem is not in key 1-7; results may be
unpredictable; reply YES to continue or NO to terminate
execution
```

Explanation: The HSC protect key was found to be other than 1-7. The HSC subsystem should have a key of 1-7 to operate properly.

System Action: Initialization waits for a reply.

User Response: A reply of "NO" results in termination of the HSC. If you reply "YES," initialization continues and the HSC executes in a limited capacity. Several unpredictable events can occur. As an example, HSC may generate an abnormal amount of SLS0107D messages or the EDL (eligible device list) may not be modified properly. Contact your local systems programmer or StorageTek Software Support.

SLS0519I

```
HSC subsystem CCCC terminating abnormally
```

Explanation: The subsystem is going through abnormal termination as a result of an abend or an operator CANCEL.

System Action: The HSC terminates processing.

User Response: If the termination was not the result of an operator CANCEL, contact StorageTek Software Support.

SLS0520I

```
{GTF EID|GTF FID} invalid or not provided, defaulting to XXXX
```

Explanation: The GTF EID, or GTF FID, was not specified or was incorrectly specified as a parameter on the EXEC statement of the procedure used to start HSC or the EXECParm control statement within PARMLIB.

System Action: The default EID or FID *XXXX* is used.

User Response: Correct GTF EID or GTF FID values on either the HSC EXECParm control statement or as EXEC statement parameter of the start procedure. During the next HSC startup the new values will be picked up.

SLS0521I

```
CCCCCCCC failed to open; no automatic commands issued
```

Explanation: The HSC automatic command component requires a SLSSYS*cc* member or DD name to be provided. *cc* refers to the suffix of a member or DD statement name. *CCCCCCCC* - data set name plus member or the DD statement name.

System Action: The HSC starts with no automatic command list.

User Response: If the installation wishes to issue automatic commands on subsystem startup, create a SYS1.PARMLIB member SLSSYS*cc*, or a SLSSYS*cc* DD statement and specify the suffix (*cc*) on the MEMBER parameter for the startup procedure.

SLS0522I

```
Allocation of SYS1.PARMLIB(SLSSYScc) failed; no automatic
commands issued; RC=XXXX
```

Explanation: The HSC automatic command component requires an issuing SLSSYS*cc* member to be provided, or the member name on the EXEC parameter was incorrectly specified. *cc* refers to the suffix of a member or DD statement name. *XXXX* is the dynamic allocation error reason code (S99ERROR).

System Action: The system starts with no automatic command list.

User Response: If the installation wishes to issue automatic commands on subsystem startup, create a SYS1.PARMLIB member SLSSYS*cc*, and specify the suffix on the MEMBER parameter for the startup procedure, or specify a SLSSYS*cc* DD statement.

SLS0523I

```
Volume volser found errant during reconfiguration, home
location is AA:LL:PP:RR:CC
```

Explanation: The reconfiguration function encountered an errant volume (*volser*) in the old control data set whose home location is *AA:LL:PP:RR:CC*.

System Action: The errant volume detected was copied to the new control data set and marked errant (in the new control data set).

User Response: An audit of the specified cell should be performed on the new control data set in an attempt to clean up the above status.

SLS0524I

```
Volume volser found selected during reconfiguration, home
location is AA:LL:PP:RR:CC
```

Explanation: The reconfiguration function encountered a selected volume (*volser*) in the old control data set whose home location is *AA:LL:PP:RR:CC*.

System Action: The selected volume was copied to the new control data set and marked unselected (in the new control data set).

User Response: An audit of the specified cell should be performed on the new control data set to verify the volume status. Further verify that no other HSC subsystem was active on another host during the time reconfiguration was running. If HSC was active on another host, the newly created control data set may be corrupted. If HSC was not active on another host, the newly created control data set can be assumed to be correct.

SLS0525I

```
Reconfiguration completed successfully
```

Explanation: The reconfiguration function has completed successfully.

System Action: None.

User Response: The subsystem must be brought up pointing to the newly created control data sets. Then run the VOLRpt (Volume Report) utility function, and analyze the contents of the report.

SLS0527I

```
Reconfiguration function is currently executing; DO NOT START
other HSC subsystems
```

Explanation: The reconfiguration function is currently running. To prevent modifications and possible out of sync conditions, no other HSC subsystem should be running or started on any host sharing the same CDS.

System Action: Reconfiguration processing continues.

User Response: None.

SLS0529I

```
An empty but allocated cell detected at cell AA:LL:PP:RR:CC
```

Explanation: The reconfiguration function was running and detected that a cell was allocated but empty.

System Action: The reconfiguration function continues processing.

User Response: As long as no error messages were issued by the reconfiguration function, the new data set is considered to be good. To clean up the empty but allocated cell condition, bring the HSC software up with the newly configured data set(s) and run an audit against the above mentioned cells.

SLS0530I

```
Reconfiguration completed having found the above control data
set conditions
```

Explanation: Reconfiguration completed. However, conditions were encountered during the function which may have resulted in the corruption of the control data set.

System Action: Examine other output messages from reconfiguration and determine the severity of the message.

User Response: Audit the cells in the newly created control data set for which messages were generated to correct any possible error conditions.

SLS0531E

```
Database mismatch; Volume volser, Cell Index AA:LL:PP:RR:CC,
VAR Location AA:LL:PP:RR:CC
```

Explanation: The reconfiguration function detected a mismatch when comparing the Cell Index location and the Volume home location.

System Action: None.

User Response: Audit the cells in the newly created control data set for the generated message to correct any possible error conditions.

SLS0539I

```
Unknown volume found, review prior SLS0874A Messages;'Y' to
acknowledge
```

Explanation: During HSC startup, message SLS0874A was issued to indicate an unknown (to HSC) volume was found and must be removed manually from the LSM. This message will be issued at each startup of HSC until the volume has been removed. Response to this message simply indicates you have seen the message. Leaving the cartridge in the LSM will not prevent the HSC from normal function.

System Action: Processing continues normally following response. The cartridge is left where it was found.

User Response: Open the LSM and remove the cartridge from the library as indicated in message SLS0874A. This message will be issued at each startup of the HSC and each time the HSC Service Level is brought from Base to Full.

SLS0545I

```
HSC subsystem CCCC STOP (P) command received
```

Explanation: An operator STOP (P) command was directed to the specified subsystem.

System Action: The subsystem begins termination.

User Response: None.

SLS0548I

```
LMURQST error XXXXXXXX for Read ACS statistics
```

Explanation: The performance monitor issued a READ ACS STATISTICS command and received the displayed return code.

System Action: No SMF statistical record is written.

User Response: Contact StorageTek Software Support.

SLS0551I

```
{SMF|COMPRFX|MAJNAME|EJCTPAS|
{SMF|COMPRFX|MAJNAME|EJCTPAS|HOSTID(CCCCCCCC)|
NNLBDRV(CCCCCCCC)| ADJACNT(CCC)} parameter outside valid range
```

Explanation: LIBGEN parameter
SMF|COMPRFX|MAJNAME|EJCTPAS|HOSTID(CCCCCCCC)|NNLBDRV(CCCC CCCC)| ADJACNT(CCC) is outside the valid range.

System Action: Processing continues. A return code of 12 is set.

User Response: Correct the error, and resubmit the LIBGEN assembly.

SLS0552I

```
STATION(XXXX1)|LSM(AA:LL)|SYSLIST(CCCCCCCC1)|STATION(XXXX1)|LSM
(AA:LL)|SYSLIST(CCCCCCCC1)|
HOSTDRV(CCCCCCCC2)|HOSTID| PASTHRU(D)|LSMDRV(CCCCCCCC3)|
ADJACNT(CCCCCCCC4)|DRIVE(DD)| DRVELST(CCCCCCCC5)|
ADDRESS(XXXX2)| ACSDRV(CCCCCCCC6) parameter not found
```

Explanation: Required LIBGEN parameter
STATION(XXXX1)|LSM(AA:LL)|SYSLIST(CCCCCCCC1)|
HOSTDRV(CCCCCCCC2)|HOSTID| PASTHRU(D)|LSMDRV(CCCCCCCC3)|
ADJACNT(CCCCCCCC4)|DRIVE(DD)|
DRVELST(CCCCCCCC5)|ADDRESS(XXXX2)| ACSDRV(CCCCCCCC6)
was not specified.

System Action: Processing continues. A return code of 12 is set.

User Response: Correct the error, and resubmit the LIBGEN assembly.

SLS0553I

```
{ACSDRV=(CCCCCCCC1)|ADDRESS| LSMDRV=(CCCCCCCC2)|PASTHRU=(D)|
DRIVE=(CCCCCCCC3)|TYPE/WINDOW|
WINDOW=(D)|TYPE=(CCC4)|DELDISP|SCRLABL|
TCHNIQE|DOOR=(CCC5)|VSMONLY=CCCCCCC6|
FUTRACS=(DD,DD)|
FUTRLSM=(8500,CCC7)}
parameter invalid value
```

Explanation: The value specified for a LIBGEN parameter is invalid.

System Action: Processing continues. A return code of 12 is set.

User Response: Correct the error, and resubmit the LIBGEN assembly.

SLS0554I

```
TOO MANY {ACSDRV|LSM|LSM=(CCCCCCCC1)|ADDRESS|
ADDRESS=(XXXX1)|HOSTID(CCCCCCCC2)|NNLBDRV|
LSMDRV|DRIVE|PASTHRU|''PASTHRU=(D)''|
''ADJACNT=(CCCCCCCC3)''|SYSLIST|
DRIVE=(CCCCCCCC4)|''DRVELST=(CCCCCCCC5)''|
HOSTID|ADDRESS(XXXX2)|WINDOW=(D)| SYSLIST(CCCCCCCC6)} values
specified
```

Explanation: Too many values specified.

System Action: Processing continues. A return code of 12 is set.

User Response: Correct the error, and rerun the job.

SLS0555I

```
Too many CCCCCCCC macros specified
```

Explanation: Too many *CCCCCCCC* macros were specified for the LIBGEN.

System Action: Processing continues. A return code of 12 is set.

User Response: Correct the error, and resubmit the LIBGEN assembly.

SLS0556I

CCCCCCCC macro missing or out of sequence

Explanation: *CCCCCCCC* was not specified or was specified out of sequence in the LIBGEN.

System Action: Processing continues. A return code of 12 is set.

User Response: Correct the error, and resubmit the LIBGEN assembly.

SLS0557I

Database successfully initialized; total cartridge capacity: *DDDDDDDDDDDD*

Explanation: All copies of the control database and/or journals have been successfully initialized. *DDDDDDDDDDDD* indicates the total cartridge capacity for this database.

When doing a LIBGEN for the SL3000 or SL8500, *DDDDDDDDDDDD* is not the actual capacity of your library. After varying the LSM online, use the D ACS or D LSM operator command to display the actual capacity.

System Action: None.

User Response: None.

SLS0558I

CLNPRFX operand must be three volser characters, valid values are (A-Z, 0-9, AND $#@)

Explanation: The CLNPRFX operand is not three characters consisting of A-Z, 0-9, $, #, or @.

System Action: Processing continues. A return code of 12 is set.

User Response: Correct the error, and rerun the job.

SLS0559I

Drive panel numbers must be in ascending order

Explanation: DRIVE PANEL numbers were not specified in ascending order

System Action: Processing continues. A return code of 12 is set.

User Response: Correct the error, and resubmit the LIBGEN assembly.

SLS0560E

CCCCCCCC errors encountered

Explanation: The *CCCCCCCC* function encountered errors.

System Action: The utility terminates with a non-zero return code.

User Response: Correct the errors, and resubmit the job.

SLS0562I

CCCCCCCC - Installation verified

Explanation: The installation was verified by *CCCCCCCC*, where *CCCCCCCC* is the IVP that was executing.

System Action: The utility terminates with a 00 return code.

User Response: None.

SLS0563E

```
Host SID CCCCCCCC, UNITNAME CCCCCCCC is not in EDT or has no
supported tape devices
```

Explanation: The utility (executing on host SID *CCCCCCCC*) determined that the unitname specified in either the SLILIBRY macro NNLBDRV parameter, or the SLIACS macro ACSDRV parameter was not in the EDT for this host, or the unitname existed but contained no supported tape devices.

System Action: Processing continues. A return code of 08 is set.

User Response: Perform one of the following actions:

- Repeat the LIBGEN to change the unitname
- Use the SET utility
- Perform an EDTGEN for the host to add the unitname.

SLS0564E

```
Host SID CCCCCCCC was not defined in LIBGEN
```

Explanation: The utility (executing on host SID *CCCCCCCC*) determined that host SID *CCCCCCCC* was not specified in the LIBGEN.

System Action: Processing terminates. A return code of 08 is set.

User Response: Perform one of the following actions:

- Repeat the LIBGEN and specify *CCCCCCCC* in the SLILBRY macro HOSTID parameter
- Use the SET utility
- Run the job on a host that is defined to LIBGEN.

SLS0565E

```
HOSTid CCCCCCCC; Device number XXXX is not a supported tape
device
```

Explanation: The HOSTid (*CCCCCCCC*) has determined that device number *XXXX* is not a supported tape device as specified in the SLIDRIVS macro ADDRESS parameter.

System Action: Processing continues.

User Response: Perform one of the following actions:

- Repeat the LIBGEN and delete *XXXX* from the SLIDRIVS macro ADDRESS parameter
- Use the SET utility
- Use HCD to define the unit as a supported tape device.

SLS0566E

HOSTid *CCCCCCCC*; Device number *XXXX* is not a 3278

Explanation: The HOSTid (*CCCCCCCC*) determined that device number *XXXX* was not a 3278 as specified in the SLISTATN macro ADDRESS parameter.

System Action: Processing continues.

User Response: Perform one of the following actions:
- Repeat the LIBGEN and delete *XXXX* from the SLISTATN macro ADDRESS parameter.
- Use the SET utility.
- Perform an HCD to make the device number a 3278.

SLS0567E

Unable to allocate drive *XXXX1*; SVC 99 = *XXXX2*, *XXXX3*

Explanation: The utility was unable to allocate device number *XXXX1*. *XXXX2* is the information reason code, and *XXXX3* is the error reason code.

System Action: Processing continues.

User Response: Correct the reason for the dynamic allocation failure, and resubmit the job.

SLS0568I

Message *DDDD* does not exist

Explanation: The LIBGEN macros requested message DDDD be issued.

System Action: Processing continues. A return code of 14 is set.

User Response: Contact StorageTek Software Support.

SLS0569E

Invalid LIBGEN load module specified

Explanation: A Load macro issued for the LIBGEN load module was unsuccessful.

System Action: Processing terminates.

User Response: Ensure the LIBGEN load module is available.

SLS0570I

MACRO *CCCCCCCC* ALREADY SPECIFIED

Explanation: The specified LIBGEN macro has already been issued.

System Action: Processing continues. A return code of 12 is set.

User Response: Correct the label, and resubmit the job.

SLS0571I

```
Number of values for {STATION|HOSTDRV} parameter must equal
number of hosts
```

Explanation: The specified LIBGEN parameter must have a number of values specified that equals the number of host identifiers specified on the SLILIBRY macro HOSTID parameter.

System Action: Processing continues. A return code of 12 is set.

User Response: Correct the number of parameters, and resubmit the job.

SLS0572I

```
Number of values for {PASTHRU|DRIVE} parameter must equal
number of values for {ADJACNT|DRVELST} parameter
```

Explanation: The specified LIBGEN parameter pair must have the same number of values specified.

System Action: Processing continues. A return code of 12 is set.

User Response: Correct the number of parameters, and resubmit the job.

SLS0573E

```
Parameter list is missing or invalid
```

Explanation: The utility has determined that the parameter specified to the utility is missing or invalid.

System Action: Processing continues.

User Response: Specify a set of parameters.

SLS0574E

```
CCCCCCCC program not permitted to do Dynamic Allocation
```

Explanation: The utility was not permitted to do dynamic allocation by the installation validation routine (IEFDB401).

System Action: Processing stops.

User Response: Authorize the program to perform dynamic allocation, and resubmit the job.

SLS0575E

```
CCCCCCCC DD statement missing
```

Explanation: The specified DD statement could not be found.

System Action: Processing continues.

User Response: Define the specified DD statement, and resubmit the job.

SLS0576E

```
Unable to load LIBGEN module CCCCCCCC (XXXX1 - XXXX2)
```

Explanation: The specified load module *CCCCCCCC* could not be loaded. *XXXX1 - XXXX2* are the abend code and reason code issued by the system.

System Action: Processing stops.

User Response: Make sure there is a STEPLIB to the library containing *CCCCCCCC*, and resubmit the job.

SLS0577I

```
Panel number 10 must be specified as the last operand for the
DRIVE= parameter
```

Explanation: DRIVE= parameter of SLILSM macro MUST specify panel 10 as a drive panel. It is either missing from the DRIVE= operands, or it is not specified as the last operand for the DRIVE= parameter.

System Action: Processing continues. A return code of 12 is set.

User Response: Correct the error, and rerun the job.

SLS0578E

```
Invalid ACSid
```

Explanation: The ACSid specified on the PARM= parameter of the EXEC statement for the SLIEXERS program is invalid - out of range.

System Action: Processing stops.

User Response: Specify the correct ACSid, and resubmit the job

SLS0579I

```
Number of CCCCCCCC values specified is less than the number of
hosts
```

Explanation: The macro parameter named by *CCCCCCCC* must contain as many operands as the number of hosts specified on the SLILIBRY HOSTID parameter. If an operand is intentionally omitted for a host, a comma must be used as a place holder.

System Action: LIBGEN assembly continues, and the assembly return code is set to 04.

User Response: Correct the number of parameters, and resubmit the job.

SLS0580I

```
The RESERVE= parameter has been discontinued and is ignored;
it should be removed
```

Explanation: The RESERVE= parameter was removed in an earlier maintenance cycle and is no longer used.

System Action: LIBGEN assembly continues normally and the resultant LIBGEN module is not affected.

User Response: Remove the RESERVE= parameter from the SLIRCVRY macro when convenient. It is not necessary to rerun the LIBGEN assembly.

SLS0581I

```
SLIPTPCK - PASTHRU parameter #N of BBB does not have a
corresponding ADJACENT parameter specified
```

Explanation: The Nth PASTHRU parameter defined on the SLILSM macro labelled *BBB* does not have a matching ADJACNT parameter entry.

System Action: LIBGEN assembly continues, and the assembly return code is set to 12.

User Response: Add an ADJACNT parameter entry which corresponds to the other LSM for which the pass-thru-port is being defined. Rerun the LIBGEN assembly.

SLS0582I

SLIPTPCK - *AAA* is adjacent to *BBB*, but *BBB* is not adjacent to *AAA*

Explanation: LSM *AAA* is defined in the SLILSM macro for LSM *BBB* as being adjacent, yet *BBB* is not defined in the SLILSM macro for LSM *AAA* as being adjacent.

System Action: LIBGEN assembly continues, and the assembly return code is set to 12.

User Response: Place an entry for LSM *BBB* in the ADJACNT parameter of the SLILSM macro for *AAA*. Rerun the LIBGEN assembly.

SLS0583I

SLIPTPCK - ADJACENT parameter N (*VVV*) of *AAA* does not have a corresponding PASTHRU parameter specified

Explanation: The Nth parameter in the ADJACNT keyword for the SLILSM macro labelled *AAA*, which contains the value *VVV*, has no corresponding PASTHRU parameter.

System Action: LIBGEN assembly continues and the assembly return code is set to 12.

User Response: Insert a value into the PASTHRU parameter which corresponds to the Nth ADJACNT parameter for LSM *AAA*. Rerun the LIBGEN assembly.

SLS0584I

SLIPTPCK - PASTHRU parameter N of *AAA* and PASTHRU parameter O of *BBB* are both defined as type *TTT*

Explanation: The corresponding PASTHRU parameters N of LSM *AAA* and O of LSM *BBB* are both defined as the same PTP type *TTT* (MASTER/SLAVE).

System Action: LIBGEN assembly continues, and the assembly return code is set to 12.

User Response: Change either conflicting PASTHRU parameter to be of the opposite type.

SLS0585I

SLILSM - SLILSM macro labeled *CCCCCCC* has a DRIVE/PASTHRU PORT/WINDOW assigned to number *NN*

Explanation: The macro labeled *CCCCCCC* has the same panel number assigned to a drive, pasthru port or window.

System Action: LIBGEN assembly continues, and the assembly return code is set to 12.

User Response: Change either PASTHRU, DRIVE or WINDOW parameter to the correct panel number.

SLS0586I

SLISTATN address *DDDD* will not be used by HSC

Explanation: The SLISTATN Macro defined a Station Address of zero. HSC assumes a Station with an address of zero is a "dummy" one and will not use it.

System Action: LIBGEN assembly continues, and the assembly return code is set to 8.

User Response: If the Station is to be used, change it to a non-zero address.

SLS0587I

PASTHRU parameter required when defining an ACS with multiple LSMS

Explanation: The SLIACS Macro defined more than one LSM. The SLILSM macro must define the pass-thru ports between adjacent LSMs by coding the PASTHRU parameter.

System Action: LIBGEN assembly continues, and the assembly return code is set to 12.

User Response: Define the pass-thru ports between adjacent LSMs by coding the PASTHRU parameter on the SLILSM macro.

SLS0600I

Volume *volser*; *AA*:*LL*:*PP*:*RR*:*CC*, {Selected|Unselected}, {Scratch|Nonscratch}<, Mounted>

Explanation: A Display Volume command was issued for volume *volser*. The home cell for the volume is *AA:LL:PP:RR:CC*, where *AA* is the ACSid, *LL* is the LSMid, *PP* is the panel number in decimal, *RR* is the row number in decimal, and *CC* is the column number in decimal. The display indicates whether the volume is currently selected or unselected. The scratch status of the volume is also displayed. "Mounted" appears in the message only when the volume is mounted on a drive.

System Action: None.

User Response: None.

SLS0601I

```
Volume volser - detail:

Home cell:          AA:LL:PP:RR:CC
Scratch:            {YES|NO}
Selected:           {YES|NO}
<Mounted:           {drive DDDD|driveid AA:LL:PP:NN}>
<Owning host:       CCCCCCCC>
External label:     {YES|NO}
<Label readable:    {YES|NO}>
Inserted:           YYYY-MM-DD  HH:MM:SS
Last selected:      YYYY-MM-DD  HH:MM:SS
Select count:       DDDD
Media type:         MMMMMMMM
Rectech:            RRRRRRRR
Media Label:        LLLLLLLL
Media Match:        {YES|NO|VOLATTR Only|Label Only|Undefined}
Warranty Life:      {NNN%|UNKNOWN}
<Not eligible for SCRATCH>
```

Explanation: A Display Volume command with the DETail operand was issued for volume *volser*. All available information about the volume is displayed in a multi-line WTO.

In the "home cell" line, *AA* is the ACSid, *LL* is the LSMid, *PP* is the panel number in decimal, *RR* is the row number in decimal, and *CC* is the column number in decimal.

The "Mounted" line is displayed only if the volume is mounted. Drive *DDDD*|driveid *AA:LL:PP:NN* indicates the drive on which the volume is mounted.

The "Owning host" (*CCCCCCCC*) line is displayed only if the volume is selected.

The "Label readable" line is displayed only if the volume has an external label.

The "Inserted" and "Last Selected" lines respectively show the date and time at which the volume entered the library and was last selected. The date is in *YYYY-MM-DD* format.

MMMMMMMM and *RRRRRRRR* are the media type and recording technique of the volume. *LLLLLLLL* indicates if the media type on the external label was readable or not. The value *N/A*, not applicable, appears if the media value shown was not read from the LMU.

The Media Match values indicate how the Media-type value was determined for the volume:

YES	The LMU read a media label, and there is a VOLATTR/VOLPARM defined for the volume. The media label and VOLATTR/VOLPARM agree with respect to the media type.
NO	The LMU read a media label, and there is a VOLATTR/VOLPARM defined for the volume. The media label and VOLATTR/VOLPARM do not agree with respect to the media type.

VOLATTR Only	A VOLATTR/VOLPARM exists for the volume, but the LMU has not determined the media type. This is valid when a VOLATTR/VOLPARM is defined for a volume outside the library.
Label Only	The LMU has determined the media type, but no VOLATTR/VOLPARM exists for the volume.
Undefined	The LMU has not determined the media type, and no VOLATTR/VOLPARM exists for the volume.

A value of "No", "Label Only", or "Undefined" indicates an error in VOLATTR/VOLPARM statements. A value of "VOLATTR Only" for a volume inside the library also indicates an error in the VOLATTR/VOLPARM statements. Either condition can cause invalid scratch counts to occur for the Display SCRatch command.

"Not usable" indicates a non-authorized request attempted to mount a cleaning cartridge or diagnostic cartridge.

The "Warranty Life" is a percentage value that is obtained at volume dismount for tape libraries at LMU compatibility level 21 or above. "Unknown" is displayed for volumes that reside in unsupported libraries or for volumes that have not been dismounted after applying the MWL support.

The "Not eligible for SCRATCH" is displayed if the volume is a VSM MVC and is an indication that the volume cannot be scratched.

System Action: None.

User Response: None.

SLS0602I

```
Volume volser - errant:
Scratch:               {YES|NO}
Selected:              {YES|NO}
<Owning Host:          CCCCCCCC>

Last known locations:
Home:                  CELL AA:LL:PP:RR:CC
Source:                {CELL   AA:LL:PP:RR:CC |
                       CAP     AA:LL:RR:CC |
                       DRIVE XXXX
                       DRIVEID AA:LL:PP:NN}
Destination:           {CELL   AA:LL:PP:RR:CC |
                       CAP     AA:LL:RR:CC |
                       DRIVE XXXX
                       DRIVEID AA:LL:PP:NN}
<Lost in:               LSM   AA:LL>
```

Explanation: A Display Volume command was issued for volume *volser*. The volume was found to be errant. The last known locations of the volume are listed. In the volume location lines, *AA* is the ACSid, *LL* is the LSMid, *PP* is the panel number in decimal, *RR* is the row number in decimal, *CC* is the column number in decimal, *NN* is the drive number in decimal, and *XXXX* is a device unit address. The "owning host" line is only displayed if the volume is selected. The "Lost in" line is only displayed if the volume is lost in an LSM.

System Action: The volume continues to be errant until processed by errant recovery or logically ejected from the library.

User Response: Invoke errant recovery for the volume. Some methods that can be used to invoke errant recovery are mounting the volume or modifying the LSM online.

SLS0603I

```
Volume(s) volser1<-volser2> not in ACS
```

Explanation: One or more of the volumes requested on a Display Volume command were not found in the ACS. If a volume range was specified on the command and a sequential series of volumes within that range was not found, a single message will be displayed for the series.

System Action: None.

User Response: None.

SLS0604I

```
Invalid volser range (volser1-volser2) for CCCCCCCC command,
CC=XX
```

System Action: A range of volumes (*volser1-volser2*) was specified on a *CCCCCCCC* command, but the range was syntactically invalid. *XX* is a condition code indicating the nature of the syntax error:

08	Overflow occurred when incrementing the volser. The result is larger than the incremental portion of the volser.
12	One of the volsers in the specified range has no incrementable portion
16	One of the volsers in the specified range contains invalid characters.
20	The second volser in the specified range is less than or equal to the first volser in the range.
24	The incrementable portions of the volsers specified in the range are not compatible.
28	A comparand volser must be present for alphabetic volsers.

System Action: None.

User Response: Re-enter the CCCCCCCC command, specifying a valid volser range.

SLS0605I

```
Volser range (volser1-volser2) for CCCCCCCC command exceeds
NNN volumes
```

Explanation: A range of volumes (*volser1-volser2*) was specified on a *CCCCCCCC* command. The specified range contains more than *NNN* volumes. Volume ranges for the *CCCCCCCC* command are limited to a maximum of *NNN* volumes.

System Action: None.

User Response: Enter multiple *CCCCCCCC* commands specifying ranges of *NNN* volumes or less, or run the associated batch utility, which has no limit on volser ranges.

SLS0607I

```
Invalid CCCCCCCC1 option - CCCCCCCC2
```

Explanation: An invalid option was specified for a keyword on a given command. *CCCCCCCC1* is the keyword entered. *CCCCCCCC2* is the option for the *CCCCCCCC1* keyword.

System Action: Command processing terminates.

User Response: Refer to the appropriate ELS guide, or issue the HSC "Display CMd" command, to determine the supported options for the specified command keyword.

SLS0609I

Invalid {OPTION} *CCCCCCCC1 CCCCCCCC2* value - *DDDDDDDD1*; value
must be within range *DDDDDDDD2-DDDDDDDD3*

Explanation: A numeric value was specified for the OPTion command option. The specified value is either less than the minimum value allowed for the option, or greater than the maximum value allowed for the option. *CCCCCCCC1* is the function entered on the OPTion command. *CCCCCCCC2* is the option entered on the OPTion command. *DDDDDDDD1* is the value entered on the OPTion command. *DDDDDDDD2* is the minimum value allowed for the option. *DDDDDDDD3* is the maximum value allowed for the option.

System Action: OPTion command processing terminates.

User Response: Refer to the appropriate ELS guide, or issue the HSC "Display CMd OPTion" command, to determine the supported values for the specified function.

SLS0612I

The *CCCCCCCC1* command is at a command Service Level unknown to
the HSC

Explanation: An operator command was entered, but the HSC did not recognize the Service Level of the command. *CCCCCCCC1* is the operator command entered.

System Action: The command is not executed.

User Response: This is an HSC internal error and should be reported to StorageTek Software Support.

SLS0613I

The *CCCCCCCC1* command cannot be processed at the current HSC
Service Level

Explanation: An operator command was entered, but the HSC was not at a Service Level that could execute the command. *CCCCCCCC1* is the operator command entered.

System Action: The command is not executed.

User Response: Re-enter the *CCCCCCCC1* command when the HSC is at the appropriate Service Level.

SLS0651I

Allocation of station device *XXXX* failed - *XX1*, *XX2*

Explanation: An error occurred while attempting to allocate the specified station. *XX1* contains the SVC 99 error code, and *XX2* contains the info code.

System Action: The station is not varied online.

User Response: Correct the problem, and reissue the Vary Station command. If the problem persists, contact StorageTek Software Support.

SLS0652I

Open of station device *XXXX* failed

Explanation: An error occurred attempting to OPEN the specified station.

System Action: The station is not varied online.

User Response: Correct the problem, and reissue the Vary Station command. If the problem persists, contact StorageTek Software Support.

SLS0653I

SHPG of station *C...C* failed -*CCCCCCCC*

Explanation: The Set Host Path Group (SHPG) for the specified station has failed.

System Action: The station is marked offline.

User Response: Verify the LMU connection and status. Ensure that HSC full initialization is complete, and then vary the station or ACS online. If the problem persists, contact StorageTek Software Support.

SLS0655I

ACS *AA* station *C...C* communicating

Explanation: The specified station started communicating.

System Action: All requests waiting for the LMU are reissued.

User Response: None.

SLS0657E

ACS *AA* station *C...C* not communicating

Explanation: The station cannot be used to communicate with ACS *AA*.

System Action: All requests are routed to another station (if available).

User Response: Diagnose and correct the problem. If I/O error messages are generated for a 3270 station, it may be necessary to vary the station offline.

SLS0658I

A Configuration or Capacity Changed Request was received from ACS *NN*

Explanation: The Library issued an unsolicited Configuration or Capacity Changed message on LMU/ACS *NN*. This indicates that the library hardware configuration changed and an NCO configuration update is required.

System Action: A NCO configuration update will automatically be initiated. If the NCO attempt receives an SLS4458E message it may be re-initiated when the current NCO operation is completed.

User Response: If an SLS4458E message is received and if after the current NCO activity completes and NCO does not initiate the update on the requesting ACS, then a MODIFY CONFIG UPDATE ACS(*NN*) operator command must be issued.

SLS0660I

```
ERR BCST - CCCCCCCC
```

Explanation: An invalid broadcast was received. This message describes the broadcast.

System Action: Processing continues. The broadcast is ignored.

User Response: Contact StorageTek Software Support.

SLS0661E

```
ACS AA not communicating
```

Explanation: All the stations used to communicate with ACS *AA* are not responding.

System Action: All requests are returned with an LMU hardware error (6515).

User Response: Use the Vary command to vary the stations offline, then online. If the stations do not come online, then contact StorageTek Hardware Support.

SLS0662I

```
LMU Response error - AA,XXXX,XX,DD
```

Explanation: A response was received that was in error.

AA represents the ACSid of the ACS the block was being sent to or received from.

XXXX represents the station device number being used.

XX represents an error code:

04	Invalid multiple response type
08	Sequence number not numeric
0C	Response not expected
10	Invalid response (see reason code)
14	Non-numeric response type
18	Error response received
20	Unknown broadcast type
28	Invalid broadcast (see reason code)

DD represents a reason code:

00	N/A
01	Invalid response code
02	Invalid response size
03	Invalid HOSTid
04	Invalid slave id
05	Invalid LSM vary status found
06	Invalid passthru port count
08	Invalid response len - too small
09	Invalid response len - not evenly divisible
0A	Invalid month
0B	Invalid day
0C	Invalid hour
0D	Invalid minute
0E	Invalid second
0F	Invalid arm utilization
10	Invalid passthru count
11	Invalid response len - too large
12	Missing response for LRQ
13	Invalid LSM
14	Invalid drive panel
15	Invalid drive row
17	Invalid softfail recovered count

80	Invalid configuration status
81	Invalid master LSM
82	Invalid master panel
83	Invalid slave LSM
84	Invalid slave panel
90	Invalid LSM count

System Action: Processing continues.

User Response: Contact StorageTek Software Support.

SLS0663I

```
LMU Block error - AA,XXXX,XX,DDD
```

Explanation: A block was received or sent that was in error.

AA represents the ACSid of the ACS the block was being sent to or received from.

XXXX represents the station device number being used.

XX represents an error code:

1C	Deblocking error; LMU sent bad block
24	ACK error; LMU or HSC sent bad block

DDDD represents a reason code:

1	Valid block indicator not received
2	Start of transmission not found
3	End of transmission not found
4	Start of transaction not found
5	End of transaction not found
6	Interface not grouped to any host
7	Illegal HOSTid
8	Illegal set host path group option
9	Interface joined to another host
10	HOSTid does not agree with owning host
11	Non-numeric data in block header
12	Standby LMU cannot accept block of requests
13	Switchover already active
50	Bad block seq. no. on unexpected ACK
51	Illegal ACK of request block from Standby LMU
52	Illegal ACK of request block from Standby LMU
124	Non-numeric block length on ACK from LMU
136	Bad block seq. no. on ACK from LMU

System Action: Processing continues.

User Response: Send the MSP SYSLOG/SCP CONSLOG and PM2 ACS deblocking report to StorageTek Software Support.

SLS0664I

```
ACS AA Busy; station C...C offline pending
```

Explanation: A Vary OFFline was issued for the specified station or ACS. Station *C...C* was the last station online to the LMU, and there was work active for the LMU.

System Action: The request waits until active work for the LMU is complete.

User Response: None.

SLS0665E

```
ACS AA Degraded; LSM AA:LL, Condition D, FSC XXXX
```

Explanation: A message was received from ACS *AA* that a failure occurred that causes degraded performance. The ACS can continue normal functioning.

LL is the LSM. If "FF", the failing device is the LMU.

D is the condition code. If "1", device inoperative. A "2" indicates performance is degraded.

XXXX is the fault symptom code (FSC). See fault symptom code dictionary for specific error codes.

System Action: Processing continues.

User Response: Contact StorageTek Software Support. Have the FSC (*XXXX*) available.

SLS0666A

```
LSM AA:LL access door has been opened
```

Explanation: The specified LSM access door has been opened.

System Action: All requests involving the LSM wait until the door is closed, made ready, or the LSM is forced offline.

User Response: Close the LSM door, force the LSM offline to go into manual mode.

SLS0667I

```
LSM AA:LL access door has been closed
```

Explanation: The specified LSM access door has been closed.

System Action: Processing continues.

User Response: None.

SLS0668I

LSM *AA*:*LL CCC...CCC*

Explanation: The LSM has been brought successfully online or offline according to the variable text portion of the message.

If the text for *CCC...CCC* reads

Is Offline; Temp Outage Queue has been purged.

The LSM already was offline and no MODify lsm ONline was found on the Temp Outage Queue.

Ready; Temp Outage Queue Will Be Re-Driven.

Either a MODify lsm ONline command, an LSM Ready event, or an LMU Ready event has been successfully processed and any pending requests on the Temp Outage Queue will be re-queued to the Waiting Request Queue.

System Action: The system processes the Temp Outage Queue as indicated in the text of the message.

User Response: None.

SLS0669A

LSM *AA:LL* not ready (*C*)

Explanation: The specified LSM is not ready. *C* represents the reason the LSM is not ready. Reasons include:

0 - Response indicates LSM not ready
1 - Configuration mismatch
2 - Failed initialization
3 - Lost Communication
4 - Mechanism failure
5 - LSM Cannot initialize - CAP door open
6 - LSM Cannot initialize - playground requires emptying
7 - LSM has capacity mismatch
8 - Key door has been opened

System Action: All requests involving the LSM wait until the LSM is made ready or the LSM is forced offline.

User Response: Ready the LSM. If this cannot be done, force the LSM offline to go into manual mode.

SLS0670I

Modify of LSM *AA:LL* pending (*DDDDDDDD*)

Explanation: The MODify lsm request was issued while another modify for that LSM was active. The pending queue is now *DDDDDDDD* deep.

System Action: The modify waits.

User Response: None.

SLS0671I

    Vary of ACS {*AA*|*AA* station *C...C*} pending (*DDDDDDDD*)

Explanation: The Vary STation or Vary ACS request was issued while another Vary for that ACS was active. The Vary pending queue is now *DDDDDDDD* deep.

System Action: The vary waits until it reaches the top of the queue.

User Response: None.

SLS0672E

    LSM *AA:LL* {Drive *XXXX*|Driveid *AA:LL:PP:NN*} - needs cleaning

Explanation: The specified drive needs to have a cleaning cartridge inserted. The transport is identified either by the unit address (*XXXX*) or, when the drive is not defined to this host, by the driveid (acs, lsm, panel and number of drive AA:LL:PP:NN).

System Action: Processing continues.

User Response: Mount a cleaning cartridge in the transport.

Note – The automated clean function of the HSC is set to off. To prevent this message from being issued, turn the HSC automated clean function on via the HSC MNTD AUtocln(ON) command.

SLS0673I

    LSM *AA:LL* pending offline

Explanation: A MODify lsm OFFline request was issued for the specified LSM; however, the LSM was in use. Either a request (e.g. Mount, DISMount) was active, or the CAP was reserved.

System Action: The offline request waits. When no longer in use, the MODify lsm OFFline request will complete. If necessary, issue a MODify lsm OFFline with the FORCE option to bring the LSM offline regardless of activity.

User Response: None.

SLS0674I

    ACS *AA* Station *C...C* driver cannot run without ESTAE

Explanation: This station failed three times to establish an ESTAE environment. Normally recoverable errors cannot be recovered without an ESTAE routine to schedule the retry routine. Schedule a recycle of the HSC if this station stops working.

AA is the ACS number.

C...C is the station address.

System Action: Processing continues for the HSC, but the station remains inactive.

User Response: This problem may be corrected by varying the ACS offline and back online.

SLS0675E

```
LSM AA:LL CCC...CCC
```

Explanation: The indicated LSM failure or partial failure has been detected according to the variable text portion of the message.

If the text for *CCC...CCC* reads:

Try MODIFY Again; Config Request Failed.

> SLSLCLSM failed three times to obtain the current status of the LSM from the database. Even though the database may show the LSM to be in automatic mode, the LSM is still logically offline.

Try MODIFY Again; Read LSM Status Failed.

> SLSLCLSM failed three times to obtain the current status of the LSM from the LMU. Even though the database shows the LSM to be in automatic mode, the LSM is still logically offline.

Try Modify Again When LSM Is Ready.

> SLSLCLSM detected that the LSM is not ready, so the LSM cannot be brought logically online in its current state. Even though the database shows the LSM to be in the automatic mode, the LSM is still logically offline.

Try MODIFY Again; Modify LSM Online Failed.

> SLSLCLSM failed three times to bring the LSM online even though the LSM was detected to be in a ready status. Even though the database shows the LSM to be in automatic mode, the LSM is still logically offline.

Is Online, But CAP Query Failed.

> The LSM is now online, but the Configuration query for all CAP records of the LSM failed. CAP reserve/release handling cannot take place.

Is Online, But Failed To Re-Reserve CAP CC.

> The LSM is now online, but CAP CC is active. The LMU thinks that this host owns it, and SLSLCLSM failed three times in trying to re-reserve CAP CC to this host.

Is Online, But Failed To Lock CAP CC.

> The LSM is now online, but CAP CC is active. The LMU thinks that this host owns it, and SLSLCLSM failed three times in trying to lock CAP CC.

Is Online, But Failed To Unlock CAP CC.

> The LSM is now online, but CAP CC is active. The LMU thinks that this host owns it, and SLSLCLSM failed three times in trying to unlock CAP CC.

Is Online, But Failed To Release CAP CC.

> The LSM is now online, but CAP CC is not active. The LMU thinks that this host owns it, and SLSLCLSM failed three times in trying to release it.

Is Online, But Carts. In Motion Not Resolved.

> The LSM is now online, but SLSLCLSM failed three times in trying to read the in-transit set. There may still be cartridges lost in this LSM.

System Action: The system takes no immediate action, but errant recovery may be automatically invoked later for cartridges not found in their home cells.

User Response: Depends on the variable portion of the message text.

If the text for *CCC...CCC* reads:

Try MODIFY Again ...

then either open and close the LSM door or MODify lsm ONline. If that fails, has already failed, or yields LSM Lock Not Available, then MODify lsm OFFline (possibly FORCE) and MODify lsm ONline are necessary, assuming that the hardware is working.

Is Online, But ...

The LSM is online but either the CAP was not properly reinitialized or we could not read the in-transit set. Errant recovery may automatically locate the unrecovered volumes. It does not have to be scheduled immediately, but the operator should eventually get the LSM offline and online again without any errors.

SLS0676I

Can't process requests; LMU server is terminating

Explanation: The LMU server is not available to process requests. Yet due to timing, some task tried to queue a request for the LMU. This request will not be accepted.

System Action: Termination continues.

User Response: None.

SLS0677I

LMU I/O Error *XXXX*, *XX1*, *XX2*, *XX3*, *XX4*, *XX5*

Explanation: An I/O error occurred doing I/O to an LMU.

XXXX	the station device number
XX1	is the CCW that was issued
XX2	the unit status
XX3	the channel status
XX4	sense byte 0
XX5	sense byte 1

System Action: Processing continues.

User Response: Contact StorageTek Hardware Support, if necessary.

SLS0678I

LMU Attention Error *DDD*, *SS*

Explanation: Device *DDD* returned Channel/Device status *SS* during LMU attention interrupt processing.

System Action: If the status contains an attention indicator, the attention will be processed.

User Response: It is possible there is a device problem. Contact StorageTek Software Support.

SLS0679E

Restart HSC sometime; an LMU server subtask has abended

Explanation: A non-critical resource has abended, and a restart of the HSC should be scheduled for a convenient time.

System Action: None.

User Response: Vary offline the station that is incurring the problem and then vary it back online. If the problem persists report this abend to Oracle Microsystems, and schedule a restart of the HSC for a convenient time.

SLS0680I

```
ABEND XXX1, CCC1, XXX2, XXX3, CCC2
```

Explanation: An LMU Server task has abended.

XXX1	the abend code
CCC1	the name of the CSECT that abended
XXX2	the starting address of the CSECT that abended
XXX3	the address of the TCB that abended
CCC2	the name of the PRB that abended at the address of the RB that abended

System Action: Terminates the failing task.

User Response: This message is generated for abends that occur within the LMU server. Another HSC message will depict the criticality of this *XXX1* abend.

SLS0681I

```
ORH interval expired:  ACS AA, SEQNO BBCCC, CCC1,
CCCCCCCCCCCCCCC
```

Explanation: The response wait time interval for a request has expired.

AA	the ACSid
BB	the HOSTid
CCC	the sequence number is missing if not on the Active REquest Queue. ■ **ACT** - Active Request Queue ■ **WTG** - Waiting Response Queue ■ **TMP** - Temp Outage Queue
CCCCCCCCCCCCCCC	the LMU request data in EBCDIC format.

System Action: Processing continues.

User Response: None.

SLS0683I

```
ORH aborted request:  ACS AA, SEQNO BBCCC, {ACT│WTG│TMP}
```

Explanation: Request has been aborted by the Overdue Response Handler.

AA	ACSid
BB	HOSTid
CCC	the request sequence number is missing if not on the Active REquest Queue **ACT** stands for the Active Request Queue, **WTG** stands for the Waiting Request Queue, **TMP** stands for the Temp Outage Queue.

System Action: HSC frees the selected volume and makes it errant.

User Response: Operator can enter override commands if desired.

SLS0684I

```
ORH interval extended:  ACS AA, SEQNO BBCCC, {ACT│WTG│TMP}
```

Explanation: The response wait time interval for a request has been extended by the Overdue Response Handler.

AA	ACSid
BB	HOSTid
CCC	the request sequence number is missing if not on the Active REquest Queue **ACT** stands for the Active Request Queue, **WTG** stands for the Waiting Request Queue, **TMP** stands for the Temp Outage Queue.

System Action: HSC gives the LMU more time to finish working on this request.

User Response: None.

SLS0685I

```
ORH completed request:  ACS AA, SEQNO BBCCC, {ACT│WTG│TMP}
```

Explanation: Request has been marked completed by the Overdue Response Handler.

AA	ACSid
BB	HOSTid
CCC	the request sequence number is missing if not on the Active REquest Queue **ACT** stands for the Active Request Queue, **WTG** stands for the Waiting Request Queue, **TMP** stands for the Temp Outage Queue.

System Action: HSC marks the request as having been completed.

User Response: None.

SLS0686I

```
ORH redrive request:  ACS AA, SEQNO BBCCC, {ACT│WTG│TMP}
```

Explanation: Request was redriven by the Overdue Response Handler.

AA	ACSid
BB	HOSTid
CCC	the request sequence number is missing if not on the Active REquest Queue **ACT** stands for the Active Request Queue, **WTG** stands for the Waiting Request Queue, **TMP** stands for the Temp Outage Queue.

System Action: If the request ends up on the Temp Outage Queue again, the required station (path), LMU, or LSM is not ready.

User Response: Take the appropriate action to ready the required station, LMU or LSM.

SLS0687I

```
Invalid reply <CCCCCCCC>
```

Explanation: A character string was not recognized by HSC.

CCCCCCCC is the character string that was not recognized.

System Action: None.

User Response: None.

SLS0688I

```
Invalid broadcast message received - XX (ignored)
```

Explanation: A Broadcast was received that was invalid.

XX defines what in the broadcast was invalid:

04 - An invalid type was received.
08 - An invalid number was received.
0C - An invalid ACS was received.
10 - An invalid ACS was received.
14 - An invalid drive number was received.

System Action: Processing continues.

User Response: Contact StorageTek Software Support.

SLS0689I

```
ORH request not on queue:  ACS AA, SEQNO BBCCC, {ACT|WTG|TMP}
```

Explanation: Request is no longer on the indicated queue. Overdue response was received while SLS0682D was outstanding.

AA	ACSid
BB	HOSTid
CCC	the request sequence number is missing if not on the Active REquest Queue **ACT** stands for the Active Request Queue, **WTG** stands for the Waiting Request Queue, **TMP** stands for the Temp Outage Queue.

System Action: None.

User Response: None.

SLS0690E

```
ORH: no stations ready for redrive:  ACS AA
```

Explanation: Operator responded "REDRIVE" to message SLS0682D. In looking for an available station driver to POST, HSC determined that all stations are not ready.

System Action: Processing continues.

User Response: Operator should investigate status of stations. HSC requires one ready station for communication with the LMU.

SLS0691I

Invalid UCB for station *XXXX*

Explanation: An invalid device type was provided by OPEN. In an SMS installation, ACS routines may have improperly altered the OPEN request.

System Action: The station is not varied online.

User Response: Ensure that ACS routines exclude the station devices from device preferencing schemes. If no ACS routines exist, contact StorageTek Software Support.

SLS0692I

Physical audit in progress for LSM *AA:LL*

Explanation: A physical audit in progress is detected for an LSM. This can occur when the LSM goes ready or when a Display LSM command is issued.

System Action: When the physical audit has completed for the LSM, a SLS0693I message is displayed.

User Response: None.

SLS0693I

Physical audit has completed for LSM *AA:LL*

Explanation: A physical audit has completed for an LSM.

System Action: System continues processing.

User Response: None.

SLS0694I

ACS AA: Switch has completed.

Explanation: A switch has completed for an ACS.

System Action: None

User Response: None

SLS0695I

CAPid *AA:LL:CC* CAP reserve overridden by the CLI/SLC

Explanation: The cap reserve for specified CAP has been taken away via the CLI or the SLConsole by the site administrator.

System Action: The activity for this cap is terminated.

User Response: The cap will be available for new requests when the cap is again available.

SLS0696I

CAPid *AA:LL:CC* CAP door opened

Explanation: The specified CAP has been opened.

System Action: The ENter or EJect waits.

User Response: Empty or fill the CAP, and close it.

SLS0697I

```
CAPid AA:LL:CC CAP door closed
```

Explanation: The specified CAP has been closed.

System Action: The ENter or EJect continues.

User Response: None.

SLS0698I

```
Req ACS AA SEQ DD/DD REQ CC CCCCCCCCCCC Basic info.

LSM LL CCCCCCC                    A suffix
VOL volser SRC LL/PP:RR:CC CCC XXX
TGT LL/PP:RR:CC CCC XXX           B C D E suffix
LSM LL START PP:RR:CC END PP:RR:CC CCC
                                  K suffix
VOL volser                        M suffix
TXT CCCCCC....(X53)....CCCCCC      P suffix
HST DD CCCCCCCC                    Q suffix
LSM LL                            R S ZG suffix
SEQ DD/DDD                        V W suffix
LSM LL CAP CC                     ZA ZB ZC ZD ZE suffix
LSM LL PNL PP                     ZH suffix
```

Explanation: This message describes a failing request. The LMU was unable to complete this request. The associated SLS0699I message describes the error response including the reason for the failure. The basic information is given for every type of request. A suffix is appended for some types of requests. Some request types do not require an additional suffix.

AA	ACSid
DD/DDD	HOSTid/Request Sequence Number
CC	Request Code (see table below)
CCCCCCCCCCC	Request Functional Description (see table below)

Request Code	Request Function:
A	Vary LSM
B	Mount
C	Dismount
D	Swap
E	Move
K	Catalog
L	Read Configuration
M	Read Volser Status
N	ACS Statistics
P	Host-to-Host Broadcast
Q	Quiesce Host
R	Read Transition Cartridge
S	LSM Status
T	LMU Status
V	Query Request Status
W	Cancel Request
X	View Request

ZA	CAP Reserve
ZB	CAP Release
ZC	CAP Unlock
ZD	CAP Lock
ZE	CAP Status
ZG	LSM PTP Status
ZH	LSM Transport Status by Panel
-	Unknown Req

Type A Suffix (MODify LSM):

"LSM *LL CCCCCCC*"

LL	LSM Number (decimal)
CCCCCCC	ONline/OFFline/FORCE

Type B, C, D E Suffix (Mount, DISMount, Swap, MOVe):

"VOL *volser* SRC *LL/PP:RR:CC CCC XXX*
TGT *LL/PP:RR:CC CCC XXX*"

volser	Volume Serial Number
LL/PP:RR:CC	Source/Target LSM No.(decimal)/Panel/CAPid:Row:Column
CCC	CAP/CEL/DRV/RDO
CAP	CAP Cell
CEL	Normal Storage Cell
DRV	Writable Drive
RDO	Read Only Drive
XXXX	Drive channel/unit address (DRV/RDO only)

Type K Suffix (Catalog/Cell Scan):

"LSM *LL* START *PP:RR:CC* END *PP:RR:CC CCC*"

LL	LSM Number (decimal)
PP:RR:CC	Starting/Ending Panel:Row:Column
CCC	CAP/CEL/DGN/DRV/PNL
CAP	CAP Scan
CEL	Cell Scan
DGN	Diagnostic Cell
DRV	Drive Scan
PNL	Full Panel Scan

Type M Suffix (Read volser Status):

"VOL *volser*"

volser	Volume Serial Number

Type P Suffix (Host-to-Host Broadcast):

"TXT *CCCCCC......(x53)......CCCCCC*"

CCC...CCC	Up to 53 character broadcast message

Type Q Suffix (Quiesce Host):

"HST *DD CCCCCCCC*"

DD	HOSTid
CCCCCCCC	Normal/Override

Type R,S,ZG Suffix (Read Transition Cartridges, LSM Status, LSM PTP Status):

"LSM *LL*"

LL	LSM Number (decimal)

Type V, W Suffix (Query Request Status, Cancel):

"SEQ *DD/DDD*"

DD/DDD	HOSTid/Request Sequence Number

Type ZA, ZB, ZC, ZD, ZE Suffix (CAP Reserve, RELease, Lock, Unlock, CAP Status):

"LSM *LL* CAP *CC*"

LL	LSM Number
CC	CAP Number

Type ZH Suffix (LSM Transport Status by Panel)

"LSM *LL* PNL *PP*"

LL	LSM Number (decimal)
PP	Panel Number (decimal)

System Action: See SLS0699I error response for types of errors that cause requests to be automatically retried. Otherwise, no further action is automatically taken by the HSC.

User Response: Response depends on the type of failure. See the subsequent message SLS0699I for the same ACS, HOSTid, and Request Sequence Number to determine the type of response necessary to recover from this error.

SLS0699I

```
Response ACS AA SEQ DD/DDD ERR DD/DD CCC...(x28)...CCC
CCCCCCCCCCCC

LSM LL          Cartridge Status Suffix
CCC DD/D        Manual Recovery Suffix
```

Explanation: This message describes the error preventing the completion of a request that is described in message SLS0698I issued previously. The basic information is given for all types of errors. The "Cartridge Status" suffix is added for failing cartridge movement requests. The "Manual Recovery" suffix is added if a cartridge is stuck in a mechanism in an LSM.

Basic Information (for all error types):

AA	ACSid
DD/DDD	HOSTid/Request Sequence Number
DD/DD	Error Category/Error Code (see below)
CCC..(x28)..CCC	Error Descriptive Text (see below)

Error	Descriptive Error Text
01/xx - Invalid Parameter Error Codes:	
01/01	Bad Primary LSM
01/02	Bad Secondary LSM
01/05	Undefined Option Or Modifier
01/06	Invalid LSM
01/07	Invalid Panel
01/08	Invalid Row
01/09	Invalid Column
01/10	Invalid Drive
01/11	Invalid CAP Row
01/12	Invalid CAP Column
01/13	Invalid Cell Address
01/14	Invalid Label Modifier
01/15	Invalid Source Modifier
01/16	Illegal Source Type
01/17	Illegal Destination Type
01/18	Illegal Catalog Cell Range
01/19	Illegal Characters In Volser
01/20	Invalid Request Code

01/21	Invalid Transaction Length
01/22	Invalid HOSTid
01/23	Illegal Character In Request
01/24	HOSTid Does not Match
01/25	Duplicate Sequence Number
01/26	Expected Request Or Msg Ack.
01/27	Bad Cancel Request
02/xx - Configuration Error Codes:	
02/01	LSM not in LMU configuration
02/02	Drive Does Not Exist
03/xx - CAP Procedural Error Codes:	
03/01	CAP Not Reserved
03/02	CAP Already Reserved
03/03	CAP In ENTER Mode
03/04	CAP In EJECT Mode
03/05	CAP Move Active
03/06	CAP Door Open
03/07	CAP Catalog In Progress
03/08	Cannot Kill ENTER On REL Req.
03/09	Cannot free CAP, Door is open (Door may not be fully closed)
03/10	Cannot cancel ENTER
03/11	CAP magazine not present
04/xx - General Procedural Error Codes:	
04/01	LSM Is Not Ready
04/02	LSM In Maintenance Mode
04/03	LSM Offline Pending
04/04	LSM Is Offline
04/05	Drive Is Full
04/06	Connecting LSM Not Available
04/07	Mult LSM Requests In Maint.
04/08	Path rej., full PTP deadlock
04/10	Bad Recov. Cartridge Volser
04/11	Maximum Requests Exceeded

04/12	Quiesce Host Already Active
04/13	Quiesce Host Over-Ridden
04/14	Max Read Volser Req/s Active
04/15	Cancel Pending For Request
04/16	Canceled By Cancel Request
04/19	Volser Unexpectedly Readable
04/20	Bad Read Of Volser
04/21	Volsers MisCompare
04/22	Cell Is Full
04/23	Cell Is Empty
04/24	Drive Is Empty
04/25	Drive Is Active
04/26	Drive Is Not Rewound
04/27	Cartridge Is Not Mounted
04/28	Media Miscompare
04/29	Media and Volser Miscompare
04/30	Incompatible Media/Drive
05/xx - LMU Hardware Error Codes:	
05/01	Rejected; No LSM At Node
05/02	Rejected; Bad LSMid
05/03	Rej.; LSM Not Communicating
05/04	Rejected; Transmission Error
05/05	Rejected; No Acknowledgment
05/06	Rejected; No Operating LAN
05/07	Rejected; Buffer Shortage
05/08	Buffer Overflow
05/09	Rejected; No Response To Cmd
05/10	Rejected; LSM Forced Offline
05/11	CAP unlock already active
06/xx - LMU Logical Error Codes:	
06/01	Unknown Allocation Request
06/02	Bad Qualifier Byte 0
06/03	Bad Qualifier Byte 1
06/04	Bad Qualifier Byte 2
06/05	LSM Online

06/06	Pending Offline Over-Ridden
06/10	Unk Panel Type in LMU Config
06/11	LMU Logical Problem Detected
06/12	Pass-Thru Port Cell Full
06/13	Pass-Thru Port Cell Empty
06/15	Dyn Task Found Full Mailbox
06/16	Allocation Pending Timed OUt
06/17	LSM Command Pending Time-Out
06/20	Path logically unavailable
07/xx - LSM Robotics Error Codes:	
07/01	Arm Malfunction
07/02	Hand Malfunction
07/03	Pass-thru Port Malfunction
07/04	Non-Existent Pass-thru Port
07/05	CAP Malfunction
07/06	No Way To Get There
07/07	Required Element Malfunction
07/08	Robotic Move Failed
07/09	Bad Put
07/10	Bad Get
07/11	Bad Reach Retraction
07/12	Bad Reach Extension
07/13	Pass-thru Port Position Error
07/14	No Hands Operative
07/15	Drive Did not Detect Cart
07/16	Move Targeting Failed
07/17	Reach Is In Unsafe Position
07/18	Cell Recalibration Failed
08/xx - LSM Hardware Error Codes:	
08/01	LSM Did not Respond
08/04	CAP unlock switch overload
08/05	Unlock Failed
08/06	Lock Failed
08/07	Drive Not Communicating
08/08	Tape Unit Interface Failure

08/09	Copy Image To Memory Failed
09/xx - LSM Logical Error Codes:	
09/01	Wrong LSM On Get Response
09/02	Response Packet Type Not Rec
09/03	Wrong Task ID On Response
09/04	Wrong Function ID On Resp.
09/05	Wrong Cell Address On Resp.
09/06	LSM Is Offline
09/07	Bad Cell Location
09/08	Unknown Ending Status
09/09	LSM Gave Invalid Response
09/10	Illogical CAP message
09/16	Ending Status Ind. Failure
09/17	Ending Status Indicates Busy
09/18	Bad Command
09/19	Bad Parms On Command
09/20	Bad Address Type
09/21	Bad Panel, Row, Or Column
09/22	Arm Currently Reserved
09/23	CAP Currently Reserved
09/24	Port 1 Currently Reserved
09/25	Port 2 Currently Reserved
09/26	Playgrnd Currently Reserved
09/43	LSM Is Online
09/44	LSM Is In Maintenance Mode
09/45	LSM Is Offline
09/46	LSM Access Door Is Open
09/47	LSM Is Not Initialized
09/50	Non-Existent Cell Location
09/51	Hand Is Full
09/52	Hand Is Empty
09/53	Drive Is Full
09/55	Door Already Unlocked
09/56	Cannot Unlock In Idle
09/57	Door Is Open
09/58	Door Already Locked

09/60	Already In Idle Mode
09/61	Already In EJECT Mode
09/62	Already In ENTER Mode
09/63	Cannot EJECT In ENTER Mode
09/64	Cannot ENTER In EJECT Mode
09/65	Door Not Locked For Idle
09/70	Not A Drive Panel
09/71	No Drive Avail. At Address
09/72	Invalid Drive Command Spec.
09/75	Actively Passing Data
09/76	Cannot Rewind
09/77	Cannot Unload
09/78	Drive Cannot Honor Write Protected
09/79	Drive Currently Reserved
10/xx - Drive Error Codes:	
10/01	Drive Is Not Communicating
10/02	Drive Is Not Operational
10/03	Pending Request For Drive
10/04	Drive Is Allocated
10/05	Drive Has Loaded Cartridge
10/10	Drive Cannot Load Cartridge
10/11	Load/Unload In Progress
10/12	Load Failure on Special Use Cartridge

Cartridge Status Suffix (for cartridge movement requests):

"CCCCCCCCCCCC LSM LL"

CCCCCCCCCCCC	Cartridge Status Descriptor:
Cart Not Mvd	Cartridge Was Never Moved
Recovered In	Cartridge Has Been Recovered
Retd To Src	Cartridge Was Returned To Source
Stuck In Mch	Cartridge Is Stuck In A Mechanism
Unk End Stat	Unknown Cartridge Ending Status
LL	LSMid where cartridge is now

Manual Recovery Suffix (after mechanical failures):

CCC *DD/D*	Mechanism cartridge stuck in:
HND *D*	Robotic Hand (0/1)
PTP *DD*	Pass-thru Port Panel (01-11)
DRV *DD/D*	Panel (01-11) & Drive (0/3)

System Action: No further action is taken automatically by HSC.

Note – Requests ending with 04/01 errors are put in the Temp. Outage Queue and automatically retried when the affected LSM becomes ready again. Requests ending with either 04/11 or 10/03 errors are put on the Waiting Request Queue and retried after 10 seconds. These requests are never reported in SLS0698I and SLS0699I messages unless they eventually end with different errors.

User Response: Depends on the type of error encountered.

- If the error indicates that the CAP door is open, insure that the CAP door is closed and latched.
- If a 03/01 error is encountered for a CAP after a SWitch ACS was issued, refer to the ELS publication *Managing HSC and VTCS* for procedures on CAP Manual Recovery for switching a Library Controller while an Enter or Eject is in progress.
- If a 07/05 error is encountered for a CAP after a SWitch ACS was issued, refer to the ELS publication *Managing HSC and VTCS* for procedures on CAP Manual Recovery for switching a Library Controller while a CAP is in automatic mode.
- If a parameter error was encountered, modify the appropriate parameter and reissue the request.
- If a timing problem was encountered, re-enter the request once the device in question becomes available.
- If hardware problem is indicated, retry the failing request. If the problem persists, contact StorageTek Software Support.
- If an HSC or LMU software problem is indicated, retry the failing request. If the problem persists, contact StorageTek Software Support.

SLS0702I

DDname *CCCCCCCC* failed to open

Explanation: An unsuccessful attempt to open the named file was encountered.

System Action: Validate the data set names of the files being opened.

User Response: Attempt to start the ACS subsystem again. If the error continues, contact your systems programmer for further assistance. If further support is required, contact StorageTek Software Support.

SLS0704E

Unable to acquire any ITT blocks; all are owned by host *CCCCCCCC*

Explanation: A search of the primary control data set revealed that the majority of the ITT blocks are owned by the specified host.

System Action: Attempt to bring up the listed host which will free up ITT blocks.

User Response: Restart the HSC subsystem.

SLS0707I

VARINUSE flag off

Explanation: An attempt was made to update a volume record in the ACS control data set, and the in-use flag was not set.

System Action: The attempt is aborted.

User Response: Contact StorageTek Software Support.

SLS0708I

VARVOL mismatch

Explanation: An attempt was made to write a volume record, and the volume serial number in the record did not match the volume serial number in the parameter list.

System Action: The attempt is aborted.

User Response: Contact StorageTek Software Support.

SLS0712I

DCH invalid

Explanation: An attempt was made to update the control data set when an error was encountered.

System Action: The update attempt is terminated.

User Response: Contact StorageTek Software Support.

SLS0713I

VAR area overflow

Explanation: An attempt was made to add a volume to the control data set when an error was encountered.

System Action: The volume add is terminated.

User Response: Contact StorageTek Software Support.

SLS0714I

```
DCHFOLL invalid
```

Explanation: An attempt was made to locate the next DCH queue entry when an error was encountered.

System Action: The control data set request is aborted.

User Response: Contact StorageTek Software Support.

SLS0715I

```
Database {switch|expand} complete
```

Explanation: The operation to add, delete, rename, or relocate a CDS copy (switch), or the operation to expand the CDS (expand) has completed. This message is issued when all active hosts in a multi-host environment complete synchronization.

System Action: The CDS switch or expand has completed on all HSC active hosts.

User Response: If the switch is due to an error, correct the error and enter the CDs Enable operator command to restore data sets to HSC. Also, a switch or expand can occur intentionally by using operator commands.

SLS0719I

```
Attach for Insert/Delete User Exit 06 Server failed, RC=XX
```

Explanation: An attempt was made to attach the Insert/Delete User Exit Server routine (SLSDXIT6). *XX* - is the return code from the ATTACH macro.

System Action: The User Exit 06 code will not be available.

User Response: Determine why the attach failed, and correct the problem. You must recycle the HSC to activate the exit. If you are unable to correct the problem, save all information and contact StorageTek Software Support.

SLS0720I

```
Insert/Delete server routine - CCC...CCC
```

Explanation: The Insert/Delete User Exit 06 server routine (SLSDXIT6) ESTAE was invoked due to an abend. *CCC...CCC* is a 30 byte field that will contain one of the following:

SLSDXIT6 EXIT SERVER ABEND
- an abend has been detected in the SLSDXIT6 Insert/Delete server.

ABEND WITHOUT SDWA
- an abend has been detected in the SLSDXIT6 Insert/Delete User Exit server task and the system did not supply the ESTAE routine with a SDWA.

System Action: User Exit 06 is disabled.

User Response: Save all information and contact StorageTek Software Support.

SLS0721I

```
Insert/Delete User Exit 06 DISABLED, "Invalid Function" Return
Code
```

Explanation: The Insert/Delete User Exit has been disabled because the User Exit 06 code gave a return code indicating an invalid entry type (Function Code) as passed to the User Exit by the HSC exit server task.

System Action: User Exit 06 is disabled.

User Response: Examine the user-written code for User Exit 06 to verify that the return code of hex FF is not the result of a coding error. If it is, correct and dynamically reload User Exit 06. If there is no coding error, save all information and contact StorageTek Software Support.

Note – Dynamic LOad/Reload of User Exit 06 is possible only if the "SLSUEXIT" DD card was included in the HSC JCL deck.

SLS0723I

```
ESTAE creation failed in SLSDXIT6
```

Explanation: The Insert/Delete user exit server routine (SLSDXIT6) attempted to establish an ESTAE. The ESTAE creation failed. Register 2 at entry to abend contains the ESTAE return code.

System Action: User Exit 06 is disabled.

User Response: Check the return code in register 2 with return codes from the MSP ESTAE macro, and correct any errors. If unable to correct the problem, save all information and contact StorageTek Software Support.

SLS0724I

```
Invalid entry type passed to user exit SLSUX06
```

Explanation: This is an internal error. The Insert/Delete user exit server routine (SLSDXIT6) passed an invalid function entry type to SLSUX06. Register 2 at entry to abend contains the invalid code.

System Action: User Exit 06 is disabled.

User Response: Save all information, and contact StorageTek Software Support.

SLS0725E

```
Too many errant volumes in ACS AA
```

Explanation: ACS *AA* contains too many errant volumes. This number of errant volumes must be reduced before additional volumes can be added.

System Action: The addition to the errant set is not made.

User Response: Vary LSMs OFFline/ONline, or Mount or EJect the errant volumes listed on a volume report so as to invoke errant recovery. If the volumes cannot be located, logically eject them from the library.

SLS0726I

```
Invalid ACSid in DESAD
```

Explanation: The computation for adding errant records detected that the ACSid being used is invalid.

System Action: The errant set add is aborted.

User Response: Contact StorageTek Software Support.

SLS0730I

```
Permanent error attempting to write database
```

Explanation: The HSC has encountered a permanent I/O error attempting to write a heartbeat record to the CDS.

System Action: HSC abends.

User Response: Check console logs to determine the cause of the I/O error. If you cannot find and correct the error, contact StorageTek Software Support.

SLS0738D

```
Confirm RECOVER for host CCCCCCCC, reply YES or NO
```

Explanation: A RECover HOSTid FORCE was requested by the operator.

System Action: This message requests confirmation that a RECover HOSTid is requested.

User Response: Determine if host *CCCCCCCC* is truly down.

If it is, reply YES to confirm recovery.

Note – RECOVERY OF AN ACTIVE HOST MAY CAUSE CONTROL DATA SET CORRUPTION.

Reply NO to cancel recovery.

You may get the message:

SLS0851I Cross Host Recovery not needed for host *CCCCCCCC*.

This means there were no resources to be recovered on behalf of the dead host. The proper recovery flags have been set, and the dead host will NOT be permitted to update the control data set until it is recycled.

SLS0745I

```
Duplicate volume volser found in database is being deleted
```

Explanation: The volume record for Volser *volser* was a duplicate created during hash shuffle.

System Action: The duplicate volume record is automatically deleted.

User Response: None.

SLS0746I

```
Stray footprint volser found in database is being erased
```

Explanation: Volume record for Volser *volser* was slated to be moved for hash compression. No duplicate was found.

System Action: The footprint is automatically erased.

User Response: None.

SLS0747I

```
Unexpected empty VAR block
```

Explanation: A severe logic error has occurred during volume deletion.

System Action: Abend 1096, reason code 747.

User Response: Contact StorageTek Software Support.

SLS0750I

```
SLSWMRT INTERFACE ERROR; PLIST=XXXXXXXX1, RSA=XXXXXXXX2,
REASON=XX
```

Explanation: An interface error has been detected in the subsystem message writer routine. This is an internal error.

XXXXXXXX1 is the address of the parameter list supplied to the message writer routine.

XXXXXXXX2 is the address of the register save area containing the registers at entry to the message writer routine.

XX defines the specific error reason code:

01 - Invalid control block acronym
02 - Invalid process request type
03 - Invalid reply area address
04 - Invalid reply ECB address
05 - Invalid reply length
06 - Unknown message id
07 - No MLWTO label text supplied

System Action: The message request is aborted.

User Response: Contact StorageTek Software Support.

SLS0751I

```
SLSWMRT MLWTO ERROR; PLIST=XXXXXXXX1, RSA=XXXXXXXX2, R15=XX
```

Explanation: A non-zero return code has been received from WTO while attempting to output a multi-line request. This is an internal error.

XXXXXXXX1 is the address of the parameter list supplied to the message writer routine.

XXXXXXXX2 is the address of the register save area containing the registers at entry to the message writer routine.

XX is the return code from WTO.

System Action: The message request is aborted.

User Response: Contact StorageTek Software Support.

SLS0752I

```
SLSWMRT Unknown message SLSNNNN from module CCCCCCCC
```

Explanation: A request for message *NNNN* to be issued was received, but the message did not exist within the message table given to SLSWMRT.

System Action: A dump is taken and processing continues.

User Response: Contact StorageTek Software Support.

SLS0760I

```
{DATABASE|JOURNAL} {READ|WRITE} BDAM parm error; Unit XXXX;
Vol volser;  DSname CCCCCCCC;  Block DDDDDDDD
```

Explanation: An I/O error occurred while attempting to READ or WRITE to the indicated control data set or journal. The operation was not completed successfully. Verify that the control data sets are online and accessible.

System Action: Subsystem issues an abend.

User Response: Contact StorageTek Software Support.

SLS0761E

```
{DATABASE|JOURNAL} {READ|WRITE} Permanent error; Unit XXX; Vol
volser; DSname CCCCCCCC; Block DDDDDDDD
```

Explanation: An I/O error occurred on the indicated control data set or journal file.

System Action: Control data set or journal switch automatically occurs.

User Response: Refer to local disaster recovery procedures.

SLS0762E

```
DATABASE {READ|WRITE|INVALID DATA} error RC= XX
```

Explanation: An I/O error occurred while attempting to READ or WRITE to one of the control data set files. It is also possible that a successful READ of one of the control data set files occurred, but the data block was determined to be incorrect. RC= is the return code, in hex, from the I/O operation as found in the second byte of the DECB completion code field (DECCC2). The I/O operation was not completed to that file.

System Action. Control data set switch automatically occurs, an SDUMP is produced and the HSC continues operations. This is followed by a separate error message describing the control data set with the error. If the data block is determined to be incorrect, an SDUMP is not taken. SLS0761E is generated and a data base switch is invoked.

User Response. Refer to local disaster recovery procedures for recovery of the bad control data set. Save the SDUMP and contact StorageTek Software Support.

SLS0764I

Switching journals; either backup the database or offload the journal(s)

Explanation: The current of the two journals is full, and the other journal is about to become the newly current journal. If journals were disabled, recording is discontinued until BACKup or OFFLoad is run. By doing BACKup or OFFLoad, the journal data set(s) are reset and automatically enabled for transaction recording.

System Action: The journal switch occurs.

User Response: Backup the control data set, or offload the full journal.

SLS0765E

Journal DSname *CCCCCCCC* is *DDD*% full

Explanation: The currently active journal is *DDD*% full.

System Action: None.

User Response: The journal file currently in use is becoming full. If the alternate journal is full, backup the control data set or off-load the journals.

SLS0766E

Cannot switch journals; both journals have now had I/O errors

Explanation: The current journal had an I/O error, but the system cannot switch journals because the other journal has also had an I/O error.

System Action: Abend 1096, reason code 733.

User Response: Refer to local disaster recovery procedures.

SLS0767E

Cannot switch journals; journal DSname *CCCCCCCC* has not been reset

Explanation: Both journals are full. Journaling cannot continue.

System Action: If JRNDEF FULL=Abend is specified in PARMLIB, the HSC issues abend 1096, reason code 736. If JRNDEF FULL=Continue is specified, journaling is discontinued. The HSC continues to process normally without journals.

User Response: If you receive an abend, run the control data set backups more frequently. If Continue is specified, run a BACKup of all data sets. Journaling continues automatically.

SLS0768E

Error follows journal switch

Explanation: Journaling I/O error immediately follows a journal switch.

System Action: Abend 1096, reason code 735.

User Response: Refer to local disaster recovery procedures.

SLS0769I

```
Neither journal has been reset; you must backup the database
to reset them
```

Explanation: At HSC initialization time, the journaling initialization routine determined that both journals are full.

System Action: If FULL=Abend is specified on JRNDEF, HSC terminates. If FULL= Continue is specified on JRNDEF, HSC continues with journaling disabled.

User Response: Run the HSC BACKup utility to reset both journals. Restart the HSC subsystem.

SLS0770I

```
One journal is full; you must backup the database to reset the
journals
```

Explanation: At HSC initialization time, the journaling initialization routine determined that one journal is full.

System Action: HSC initialization continues, using the other journal.

User Response: Run the HSC BACKup utility to reset both journals.

SLS0805I

```
{LET|EET|EOM} Subsystem Exit Not Used; RC=XXXXXXXX
```

Explanation: During HSC Subsystem Initialization, the Address Space Communications Component (ASCOMM) could not install the subsystem functional routine for the identified SSREQ subsystem exit/broadcast.

LET - Late-End-of-Task, function code 4

EOM - End-of-Memory, function code 8

EET - Early-End-of-Task, function code 50

XXXXXXXX = 12 - number of function code slots for the subsystem was zero, or 8 - all the defined function code slots for the subsystem were used.

System Action: ASCOMM initializes; however, some recovery function, {LET|EET|EOM}, is not available.

User Response: Notify the local System Programming staff. If the problem persists, contact StorageTek Software Support.

SLS0810I

XXXXXXXX1 Abend *CCCCCCCC*, *XXXXXXXX2*, *XXXXXXXX3*

Explanation: The Address Space Communications (ASCOMM) Component has detected an abend.

XXXXXXXX1	abend completion code
CCCCCCCC	module name
XXXXXXXX2	bottom half of PSW at time of error
XXXXXXXX3	current TCB at time of error

System Action: The ASCOMM request is terminated.

User Response: Refer the problem to StorageTek Software Support. There may also be an SDUMP associated with the abend. If it exists, save a copy of this dump to aid in diagnosing the problem.

SLS0850I

Host *CCCCCCCC* is active

Explanation: Cross host recovery was requested, but the specified host was identified as active.

System Action: Cross host recovery is not performed.

User Response: Physically verify that the host in question is inactive. If and only if this host is inactive, reissue the RECover host command with the FORCE option.

Caution – Use the FORCE operand with great caution. Make sure the specified host is actually inactive before specifying this operand.

Forced recovery of an active host requires that the HSC on that host be recycled. All data base activity is prohibited on the recovered host, which can cause unexpected abends when tape activity occurs or when the HSC is recycled on that host.

SLS0851I

Cross host recovery not required for host *CCCCCCCC*

Explanation: Cross host recovery was requested, but there was no work in progress for the specified host.

System Action: Cross host recovery is not performed.

User Response: None.

SLS0852I

Cross host recovery in progress for host *CCCCCCCC*

Explanation: Cross host recovery is in progress for the specified host.

System Action: Cross host recovery is being performed.

User Response: None.

SLS0853I

```
Cross host recovery complete for host CCCCCCCC
```

Explanation: Cross host recovery is completed for the specified host.

System Action: Cross host recovery is complete.

User Response: None.

SLS0854D

```
Volume volser not found; (logically) Delete or Ignore (D/I)
```

Explanation: Recovery has determined that the specified volume could not be found in the library. You must decide if the volume is to be logically deleted from the data base.

System Action: Recovery waits until you reply either Delete or Ignore.

User Response: Reply with one of the following:

D	This response deletes the volume from the CDS. This may be the best response if you are certain the volume is not in the library. **CAUTION**: If the volume is still in the library, an Audit or manual intervention may be required to locate the missing volume Other action messages may be issued and require operator responses as a consequence of logically deleting the specified volume.
I	This response ignores the request for the volume. This may be the best response if you are uncertain of the location of the volume. This message can reappear if the volume has still not been located. In the meantime, the job waits for the volume to be located and mounted.

SLS0855I

```
Volume volser not found; AUDIT or MANUAL intervention may be
needed
```

Explanation: Recovery has determined that the specified volume could not be found in the library. The volume remains in the CDS in an errant status. Audit or manual intervention is recommended to attempt to locate the volume.

System Action: Processing continues.

User Response: Execute the audit utility function to attempt to locate the volume. If the volume is not found by audit, it may be deleted from the CDS.

SLS0856D

    No available CAP in ACS *AA* for LSM *LL*; Retry or Cancel (R/C)

Explanation: Recovery requires a CAP in order to eject a volume, but there were none that could be selected. The CAPs could be in offline LSMs, have a zero priority, or all be allocated.

System Action: Recovery waits until you reply.

User Response: If a CAP can be made available (DRAIN a CAP, MODIFY a LSM online, or give a CAP a non-zero CAPPref), do so and reply R.

- If none can be made available, reply C.
- If this occurs during initialization and a CAP cannot be made available, reply C.
- When the subsystem completes initialization, make a CAP available and modify the LSM offline and then online.

SLS0857I

    Invalid reply *C*

Explanation: A reply to a message was invalid.

System Action: The original message requiring a reply is reissued.

User Response: None.

SLS0858I

    Invalid HOSTid *CCCCCCCC*

Explanation: Cross host recovery was requested for the specified host, but the host is either the same host or not defined to the library software.

System Action: Cross host recovery is not performed.

User Response: Reissue the command with a correct HOSTid.

SLS0860D

    Non-OCR volume *volser* not found; (logically) Delete or Ignore
    (D/I)?

Explanation: Recovery has determined that the specified non-OCR labeled volume (*volser*) could not be found in the library. You must decide if the volume is to be deleted from the data base.

System Action: Recovery waits until you reply.

User Response: If the volume should be deleted from the data base, reply D; otherwise, reply I. If recovery is invoked again, the message can reappear if the volume has still not been found.

SLS0863I

    Subtask attach failure; RC=*XXXXXXXX*; Subsystem not started

Explanation: During subsystem initiation, an ATTACH of a task failed with the specified return code.

System Action: The subsystem terminates.

User Response: Notify the system programmer.

SLS0864I

```
Errant recovery of volser - Unable to scan {drive XXXX|driveid
AA:LL:PP:NN}; it is loaded
```

Explanation: In attempting to locate errant volume *volser*, a drive was found loaded.

System Action: Errant recovery of the volume stops.

User Response: Unload the drive; then retry errant recovery. To unload a drive in MSP, use the UNLOAD command. To unload a drive in VM, ATTACH the drive to some virtual machine and then DETACH it.

SLS0865I

```
Attached task failure; RC=XXXX
```

Explanation: During recovery, a task responsible for performing a specific function failed with the specified return code.

System Action: A system dump is taken. Other recovery processing continues.

User Response: Notify the system programmer. Save a copy of the dump to aid in diagnosing the problem.

SLS0866I

```
Host recovery already in progress for HOSTid CCCCCCCC
```

Explanation: Host recovery was already in progress for the specified host when another RECover host command was issued for that host.

System Action: Processing of the later RECover host command stops.

User Response: None.

SLS0867E

```
Attempting to locate errant volume volser
```

Explanation: The HSC had marked a volume as being errant because it was no longer certain of its location. This is due to many causes. These include modifying the LSM offline, cancelling the HSC, or an error occurring in the LMU or LSM. The HSC is now attempting to locate the volume, and issues this message.

System Action: Processing continues. The message will be DOMed when the location processing is complete.

If the HSC is reasonably sure the volume is not in the ACS, a message will be issued to allow the volume to be deleted from the control data set.

Note – The message will NOT be issued if the HSC is unable to scan locations where the volume might be. For example, if the volume could be in an offline LSM, or on a loaded drive, and the volume could not be located elsewhere, the message will not be issued.

User Response: None.

SLS0868I

```
LMU error XXXXXXXX ACS AA
```

Explanation: The HSC had an error *XXXXXXXX* issuing requests to ACS *AA*

System Action: Processing continues.

User Response: Contact StorageTek Software Support.

SLS0869D

```
Errant recovery of volser - {drive XXXX|driveid AA:LL:PP:NN}
is loaded; reply Retry, Ignore, or Dismount (R/I/D)
```

Explanation: :During errant recovery of *volser*, the drive *XXXX* or driveid *AA:LL:PP:NN* was found loaded. This implies that the external label could not be read by the robotic vision system.

System Action: Recovery waits for an operator reply.

User Response: If the drive has completed the rewind and unload process, reply R to retry the dismount.

- If the volume is known to be on the drive and not allocated to a job on any processor, reply D to force the dismount.
- If the drive is in use, reply I to this message, and let the job finish processing the volume on the drive.
- If the drive cannot be unloaded due to a malfunction, place the drive offline, contact StorageTek Hardware Support and reply I to this message.

Note – If the volume is not on the drive, reply I. This causes the HSC to discontinue the current errant recovery attempt for the volume, leaving it errant. This reply has no lasting effect. This message will be reissued by future errant recovery attempts as long as the drive is loaded and the volume is presumed to be on the drive.

SLS0870I

```
Errant recovery of volser - an audit of the locations
associated with the volume may be required
```

Explanation: In attempting to locate errant volume *volser*, a scan of the errant locations could not resolve the location of the volume. Errant recovery found the same OCR readable volser at two locations, or both locations had unreadable volsers.

System Action: Errant recovery of the volume stops.

User Response: Schedule an audit of the errant locations associated with the volume at a convenient time. The locations can be determined by issuing a Display Volume command.

SLS0871I

Errant recovery of *volser* - unable to scan (*D*)

Explanation: In attempting to locate errant volume *volser*, errant recovery was unable to scan a location.

D represents a reason code:

7	Drive not communicating. The LMU was unable to communicate with the drive.
8	Bad move. The LMU received an error trying to move to a location.

System Action: Errant recovery of the volume stops.

User Response: A Display Volume command shows the volume(s) errant location(s). Contact StorageTek Hardware Support.

SLS0873I

```
Errant recovery of volser – Volume at {cell
AA:LL:PP:RR:CC|drive XXXX|driveid AA:LL:PP:NN}
```

Explanation: Errant recovery was able to locate the volume at the specified location.

System Action: If the volume is not in its home location, errant recovery attempts to move it to this location.

User Response: None.

SLS0874A

```
Manually remove cart XXXXXX from ACS AA LSM LL
```

Explanation: During HSC startup, cartridge *XXXXXX* was found in ACS *AA* LSM *LL* in the playground, a robotic hand, or the passthru port. HSC went into recovery mode to try to handle the cartridge. In this case, however, HSC does not have a volume record for this cartridge. HSC will leave the cartridge as found. The cartridge may be manually removed from the LSM, or with HSC 5.0 and later, run the Audit utility with the INTRANS parameter. These cartridges are normally in the playground.

System Action: Processing continues normally. The cartridge is left where it was found.

User Response: Open the LSM and remove the cartridge from the library, or run an Audit utility with the INTRANS parameter. If the cartridge is left in the LSM, this message will be issued at each start up of HSC and each time the HSC Service Level is brought from Base to Full.

SLS0898I

```
Recovery of volser1 –  found volser2 in cell AA:LL:PP:RR:CC;
new cell assigned for volser1
```

Explanation: During recovery *volser2* was found in the home cell of *volser1*.

System Action: *Volser1* will be assigned a new home cell.

User Response: An audit of the home cell location *AA:LL:PP:RR:CC* may be required to locate *volser2* and insert it into the CDS.

SLS0899I

```
Recovery of volser - cell AA:LL:PP:RR:CC requires auditing
```

Explanation: While attempting to recover the specified volume, an error occurred. The cell the volume was to be moved to was found to be occupied by another cartridge.

System Action: Recovery attempts to pick another cell and retries the move.

User Response: Audit the cell listed in the message text.

SLS0901D

```
Mount of volser1 on {drive XXXX|driveid AA:LL:PP:NN} - volser
readable (volser2); Retry, Bypass, Eject, or Ignore (R,B,E,I)
```

Explanation: When going to mount *volser1*, the LMU found a Volser with a different external label *volser2*. The volume was originally marked in the control data set as having no external label.

System Action: Mount waits.

User Response:

- If the mount is to be retried, reply R.
- If the volume is to be marked as bypass label processing and the mount retried, reply B.
- If the volume is to be ejected, reply E. Volser *volser1* will be deleted from the control data set. Additionally, if *volser2* is not in the control data set, it will be physically ejected.
- If the mount is to be ignored, reply I.

SLS0902D

```
Dismount of volser1 from {drive XXXX|driveid AA:LL:PP:NN} -
volser readable (volser2); Retry, Bypass, Eject, or Ignore
(R,B,E,I)
```

Explanation: When going to dismount *volser1*, the LMU found a Volser with a different external label *volser2*.The volume was originally marked in the control data set as having no external label.

System Action: Dismount waits.

User Response: If the dismount is to be retried, reply R.

- If the volume is to be marked as bypass label processing and the dismount retried, reply B.
- If the volume is to be ejected, reply E. Volser *volser1* will be deleted from the control data set. Additionally, *volser2* will be physically ejected if it is not in the control data set.
- If the dismount is to be ignored, reply I.

SLS0904I

```
Swap of volser from {drive XXXX|driveid AA:LL:PP:NN} - Error
doing scan
```

Explanation: In an attempt to swap *volser*, a scan of the drive was required. However, the LMU indicated a move error occurred or it could not communicate with the drive.

System Action: The swap is not executed.

User Response: Enter a DISMount command for drive *XXXX*|driveid *AA:LL:PP:NN* (the "from" drive) to retry the dismount portion of the swap. Then enter a Mount command to mount volume *volser* on the "to" drive.

SLS0905D

```
No cartridges to clean {drive XXXX|driveid AA:LL:PP:NN} ACS
AA;  Reply "I", "T,capid,volser", or "R" (Ignore, Temp Enter
or Retry)
```

Explanation: There were no cleaning cartridges compatible with the drive found in ACS *AA*.

Note – Different types of transports require different cleaning cartridge media types. For example, longitudinal transports (4480s, 4490s, and 9490s) require standard cleaning cartridges, and RedWood transports require DD3D cleaning cartridges.

System Action: Mount waits for a reply.

User Response: Reply with one of the following:

I	Ignore the mount request. Cleaning will no longer be scheduled for this transport.
T,capid,volser	Temporarily enter the specified cleaning cartridge from the specified CAP to clean the drive. (Note: The volser of the cleaning cartridge temporarily entered does not have to start with the cleaning prefix.)
R	Retry the cleaner lookup (presumably after entering some cleaning cartridges).

Warning – New cleaning cartridges compatible with the transport must be entered for automated cleaning to proceed.

SLS0906E

```
Mount of volser on {drive XXXX|driveid AA:LL:PP:NN} - Unable
to mount
```

Explanation: The HSC on this host could not mount a volume. Other messages should be issued to indicate the source of the problem.

System Action: The mount fails.

User Response: Check for error messages on all systems attached to the ACS. Attempt to correct the problem, and reissue the mount request.

SLS0907I

```
Mount of volser1 on {drive XXXX|driveid AA:LL:PP:NN} -
Overriding mount volser2 request
```

Explanation: An attempt was made to mount *volser1*, but there was a mount request queued for volume *volser2*.

System Action: The mount of *volser2* is not executed. The mount of *volser1* is executed.

User Response: None.

SLS0908I

```
Mount of volser1 on {drive XXXX|driveid AA:LL:PP:NN} - Mount
of volser2 active; attempting suppression
```

Explanation: The mount of *volser1* found a mount request active for *volser2*.

System Action: The system attempts to suppress the mount scratch. Regardless of the success of the suppression, the mount of *volser1* is executed.

User Response: None.

SLS0909D

```
Dismount of volser from {drive XXXX|driveid AA:LL:PP:NN} - LSM
AA:LL in manual mode; reply Delete or Ignore (D/I)
```

Explanation: A request was received to dismount a volume in a manual mode LSM.

System Action: The dismount waits until you reply D or I, modify the LSM online, or issue a "MNTD Dismount Auto" command.

User Response: If the volume is to be manually dismounted, reply D; otherwise, reply I.

- If D, the volume is removed from the control data set. The volume should be removed from the library until an ENter can be performed.
- If I, the volume is not deleted from the control data set.
- If the LSM is modified online, the dismount continues.

SLS0910I

```
{Mount|Dismount} of volser {on|from} driveid AA:LL:PP:NN -
Request terminated
```

Explanation: A request was received to mount or dismount a tape. The request is terminating, and no other message was issued. Check for other outstanding messages or operations that might be holding the volume locked.

System Action: None.

User Response: None.

SLS0911D

```
Mount of volser on {drive XXXX|driveid AA:LL:PP:NN} - Manual
volume at AA:LL:PP:RR:CC; reply Delete or Ignore (D/I)
```

Explanation: A request was made to mount a volume from a manual LSM.

System Action: The mount waits until you reply D or I, or modify the LSM online.

User Response: If the volume is to be manually mounted, remove the volume from location *AA:LL:PP:RR:CC*. When the volume IS IN YOUR HAND, reply D to delete it from the control data set. When dismounted, the volume should be removed from the library until an ENter can be performed.

- If the request is to be ignored, reply I.
- If the LSM is modified online, the mount proceeds normally.

SLS0912I

```
Dismount of volser from {drive XXXX|driveid AA:LL:PP:NN} -
Drive is loaded; mount request is being aborted
```

Explanation: Mount found a drive that had a volume mounted so it invoked dismount. Dismount found that the drive was loaded, and the volume to be dismounted matched the volume to be mounted.

System Action: The dismount request is cancelled. The mount request will also be aborted.

User Response: If the volume really needs to be dismounted and the drive is not in use, unload the volume from the drive and reissue the mount. To unload a drive in MSP, use the UNLOAD command. To unload a drive in VM, ATTACH the drive to some virtual machine and then DETACH it.

SLS0913I

```
Robotics request active for {drive XXXX|driveid AA:LL:PP:NN} -
unable to mount
```

Explanation: A robotic request was active for the mentioned drive by another system. Two mount requests for the same drive were issued, and the mount from this system found that the request from the other system was being processed first.

System Action: The mount request from this system is cancelled.

User Response: The job requesting the mount may have to be cancelled and resubmitted because the HSC found a mount in process for the same drive by another system. The mount on this system will not be redriven.

SLS0923I

```
{Drive XXXX|driveid AA:LL:PP:NN} has been cleaned using volser
```

Explanation: The drive was automatically cleaned using the specified volser.

System Action: None.

User Response: None.

SLS0925D

```
Eject of volser - Volume not in cell AA:LL:PP:RR:CC; Reply
(Logically) Delete or Ignore (D,I)
```

Explanation: An EJect operation found the volume location in the control data set, but the location was empty.

System Action: You are asked to Delete (D) the entry from the control data set, or to Ignore (I) the request.

User Response: A reply of D cleans up the control data set and assumes the volume is not in the library.

A reply of I terminates the operation.

SLS0926I

```
C invalid reply
```

Explanation: The operator reply does not match the options offered by the WTOR. *C* is the invalid reply from the operator.

System Action: The WTOR is re-issued to give the operator another chance.

User Response: Reply with a valid option.

Note – *C* can only be one byte long.

SLS0927A

```
Wrong cartridge entered; expected volser1 and found volser2
```

Explanation: The operator was requested to enter a specific Volser (*volser1*) in response to a temporary enter. The wrong Volser (*volser2*) was found in the CAP.

System Action: The CAP door is unlocked to allow the operator access.

User Response: Open the CAP door, and remove the incorrect cartridge (*volser2*). Replace it with the correct cartridge (*volser1*), and close the CAP door.

SLS0928A

```
ENTER processing interrupted; empty CAPid AA:LL:CC
```

Explanation: Enter processing has been interrupted. Cartridges have been left in the CAP. CAPid *AA:LL:CC* needs to be emptied.

System Action: The system waits until the operator opens and closes the CAP door at which time the CAP is examined to ensure it is empty. The system may reissue this message if cartridges are left in the CAP. Once the CAP is empty, enter processing continues.

User Response: Open the CAP door, and remove all cartridges.

SLS0929I

```
{Enter|Eject} of volser - CCC...CCC; run a utility audit
against cell AA:LL:PP:RR:CC
```

Explanation: Either an ENter operation found that a cell that was supposed to be empty was not. Or an EJect operation failed and the CAP component was unable to place the volume in errant status. *volser* is the volser of the volume. *CCC...CCC* is a 32-byte description of the error.

System Action: The ENter or EJect operation will terminate.

User Response: Run an audit against the reported cell location to correct the control data set.

SLS0931I

```
LSM AA:LL is {NOT READY|OFFLINE PENDING|OFFLINE}
```

Explanation: The specified LSM is OFFLINE, PENDING OFFLINE, or NOT READY.

System Action: The request found an LSM that was not online and ready.

User Response: Ensure that the specified LSM is online and ready.

SLS0934D

```
EJECT of volser, Drive not rewound; reply Dismount, Retry or
Ignore (D,R,I)
```

Explanation: An EJect operation from a drive found that the drive had not been rewound and unloaded.

System Action: The system waits for the operator to reply R (Retry), D (Dismount) or I (Ignore).

User Response: In MSP, use the MSP Unload command to unload the volume. In VM, ATTACH the drive to some virtual machine and then DETACH it.

- A reply of R retries the eject without the rewind option.
- A reply of D retries the operation with the rewind option.
- A reply of I conditionally makes the volume errant and terminates the operation.

SLS0935D

```
EJECT of volser - volser not readable; reply Bypass label
checking or Ignore (B,I)
```

Explanation: An EJect operation was requested against a volume, but the operation failed because the cartridge label was not readable.

System Action: You are asked to Bypass label checking (B) or Ignore (I) the request.

User Response: A reply of B retries the EJect and will bypass label checking.

A reply of I conditionally makes the volume errant and terminates the operation.

SLS0936D

```
EJECT of volser - SOURCE VOLSER DOES NOT MATCH DB; reply
Ejector Ignore (E,I)
```

Explanation: An EJect operation was attempted, and the volser found in the location specified by the control data set does not match the requested volser.

System Action: You are asked to Eject (E) or Ignore (I) the request.

User Response: A reply of E retries the EJect with bypass label checking.

A reply of I unconditionally makes the volume errant and terminates the operation.

SLS0937D

```
ENTER of volser - Source volser not readable; reply Bypass
label checking or Eject (B,E)
```

Explanation: An ENter operation was requested for a volume, but the operation failed because the cartridge label was not readable.

System Action: You are asked to Bypass (B) the request, or Eject (E) the volume.

User Response: A reply of B retries the ENter with bypass label checking. A reply of E ejects the volume with bypass label processing.

```
SLS1000I

  ACS AA status: CCCCCCCCC1

  Compatibility levels: HSC=DD1,LMU=DD2
  (Partition ID=DDD3)
  (Waiting Queue elements            DDDDDDDD4)
  (Active Queue elements             DDDDDDDD5)
  (Temporary Outage Queue elements   DDDDDDDD6)
  Dual LMU CCC2 Configured
  Redundant Electronics Configured
  (Master Is C3; Standby Is CCCCC4)
  Station DDDD7 CCCCCCCC5
  Scratch Volumes available          DDDDDDDD8
  Free Cells available               DDDDDDDD9
  RE Connection Summary
  ------------------- Detail Addition ----------------------
  Lib LC  Mode     Status      IP Addr/Host Name
  C7  C8  CCCCCC9  CCCCCCC10  DDD.DDD.DDD2/CCCCCCC11
```

Explanation: Issued in response to a Display Acs command. A partition ID with a value greater than zero signifies a partitioned ACS. Queue counts are only displayed if they are not zero. Master/Standby LMU line is only displayed if Dual LMU is active.

Redundant Electronics line is only displayed if Redundant Electronics is active for a least one of the libraries. One line is displayed for each station defined. If an ACS is either disconnected or unallocated the Free Cell count will be unknown.

For Redundant Electronics and when the Display ACS acsid is issued, Library Summary lines as part of the Detail addition will be displayed to reflect the ACS configuration.

Variables:

AA	ACSid: "00"-"FF"
CCCCCCCCC1	ACS availability:

       CONNECTED   At least one station is online
       DISCONNECT   No stations currently online
       UNALLOCATED Indicates an ACS place holder

DD1   HSC compatibility levels
              10 means HSC 2.0
              11 means HSC 2.0.1 support for Multi-Media
              12 means HSC 2.1 and greater
              13 means HSC 6.0 and greater
              20 means 6.1 and greater
              21 means 6.1 and greater
              22 means 6.1 and greater
              23 means 6.1 and greater

DD2   LMU compatibility levels
              00 means LMU is not connected
              05 means LMU 3.2 u-software supporting the enhanced CAP
              06 means LMU 3.8 u-software supporting the 4430 Multi-Media
              10 means LMU 1.0 u-software supporting Wolfcreek
              11 means LMU 1.1 u-software supporting the 93xx Multi-Media
              12 means LMU 1.5+ u-software supporting 9840 and 97xx
              13 means SL8500 Base support
              20 means SL8500 Base and Partitioning Support
              21 means SL8500 and SL3000 Support

22 means SL8500 and SL3000 Support
23 means SL8500 and SL3000 RE Support

DD3   Partition ID: "000"-"999"
DDDDDDDD4   count of Waiting Request Queue elements
DDDDDDDD5   count of Active Request Queue elements
DDDDDDDD6   count of Temp Outage Queue elements
CCC2   Dual LMU configured: "Is" or "Not"
C3   Master LMU designator: "A" or "B"
CCCCC4   Standby LMU status: "ready" or "not ready"
                If ready, there must be a STANDBY station to enable automatic
                switchover to occur

DDDD7   Station Device Number.
DDD.DDD.DDD1 Station IP Address
CCCCCCCC5   Station hostname

CCCCCCCC6   Station Status:
                ONLINE   Enabled Path to Master LMU
                OFFLINE   Disabled Path to ACS
                STANDBY   Enabled Path to Standby LMU
                PENDING ONLINE   Path being varied online
                PENDING OFFLINE   Path being varied offline
                PENDING FORCE   Path being forced offline
                NOT READY   Network attached LMU not initialized
                NETWORK RECONNECT   Network recovery active
                TCP/IP CON ERR   Network recovery failure
                UNKNOWN   Station status or Free Cell count

DDDDDDDD8 number of Scratch Volumes available
DDDDDDDD9 number of Free Cells available

For RE Connection Summary:

C7   Library ID: "1"-"9" or "A"-"Z"
C8   Library Controller ID: "A" or "B"
CCCCCCC9   Library Controller Mode: "active" or "standby"
CCCCCCC10   Status: The same as Station Status *CCCCCCCC6*
DDD.DDD.DDD2   Library Controller IP Address
CCCCCCC11   Library Controller hostname

Note – The functionality available in the HSC is implied by the lowest number
indicated on the compatibility level line.

System Action: System continues processing.

User Response: None.

SLS1001I

```
ENTER not scheduled on CAPid AA:LL:CC
```

Explanation: A SENter command was entered for CAPid *AA:LL:CC*. The ENter was not scheduled. No interruption of the EJect command occurs. Possible reasons for "NOT ACCEPTED" are:

- The CAP is not allocated by this host.
- The CAP is not ejecting.

System Action: None.

User Response: None.

SLS1002I

```
ACS AA: Switch already active
```

Explanation: A SWitch command has already been entered for the named ACS.

AA is the ACSid.

System Action: This SWitch command is terminated, but the previous SWitch command continues processing.

User Response: If a previous SWitch command was entered, no response is necessary; otherwise, report this incident to StorageTek Software Support.

SLS1003I

```
Switch failed, {ACSid|LIBid} is required
```

Explanation: There is more than one ACS in the configuration, so ACSid must be specified. Or, there is more than one Library in the ACS, so LIBid must be specified.

System Action: SWitch command processing is terminated.

User Response:

- For ACSid required:

  Re-enter the SWitch command with the ACS parameter and the ACSid value. i.e. SW ACS 00.

- For LIBid required:

  Re-enter the SWitch command with the ACS parameter, the ACSid value, the LIB parameter, and the LIBid value. i.e. SW ACS 00 LIB 1.

SLS1004I

```
ACS AA cannot switch; CCCCCC1 CCCCCCC2 C3
```

Explanation:

- For LMU compatibility level 22 and below:

  Even though the named ACS is a Dual LMU ACS, there are currently no standby stations connecting the HSC to the standby LMU for this ACS.

- For Redundant Electronics (compat 23+):

  Even though the named ACS has the Redundant Electronics installed, the following reasons may apply for why the switch did not take place:

  1. No standby network connections connected to HSC.

  2. Redundant Electronics is not licensed.

  3. Standby Library Controller is not communicating.

CCCCCCCC1	Reason cannot switch: ■ no standby connections ■ RE not licensed ■ standby not communicating
CCCCCCCC2	for "LIBID" or blank
C3	Library ID: "1"-"9" or "A"-"Z" or blank

System Action: System continues processing.

User Response:

- For LMU compatibility level 22 and below:

  Vary a station online to the standby LMU, and re-enter the SWitch command.

- For Redundant Electronics (compat 23+):

  Connect the standby connection, or install/license Redundant Electronics, or repair the standby Library Controller.

SLS1005I

```
ACS AA cannot switch; ACS disconnected or not Dual LMU
```

Explanation: The named ACS is not a Dual LMU ACS or all stations to this ACS are offline, so no station is available to the standby LMU.

System Action: SWitch command processing is terminated.

User Response: None.

SLS1007I

```
ACS AA: Initiating switch via CCCCCCC1 C2 CCC3 CCCCC4 C5
```

Explanation: SWitch command parameters have been validated, and an available standby station or library ID has been selected for sending the SWitch command to the standby Library Controller who notifies the active Library Controller.

AA	ACSid: "00"-"FF"
CCCCCCC1	"Station" or "LIBID"
C2	LIBid: "1"-"9" or "A"-"Z" or blank
CCC3	"for" or blank
CCCCC4	"LIBID" or blank
C5	LIBid: "1"-"9" or "A"-"Z" or blank

System Action: The selected standby station driver or Library Controller has been notified to initiate the switchover process.

User Response: None.

SLS1008I

```
ACS AA: Switch in progress reset successfully.
```

Explanation: Switch in progress for ACS *AA* has been reset successfully.

System Action: None

User Response: None

SLS1010I

```
CCCCCCCC1 value list not allowed with CCCCCCCC2 value list on
CCCCCCCC3 command
```

Explanation: A *CCCCCCCC3* command was entered that encountered a *CCCCCCCC1* parameter having a value list (more than one value separated by commas or dashes) and a *CCCCCCCC2* parameter having a value list. However, there can only be one *CCCCCCCC1* value identified on the command if the *CCCCCCCC2* parameter is supplied with a value list.

System Action: The command is rejected.

User Response: Correct the command parameters, and re-enter the command.

SLS1011I

```
The range specified on the CCCCCCC1 parameter of the CCCCCCCC2
command is invalid or not allowed
```

Explanation: A range of cells was specified on an operator command. The specified range contains more than 100 volumes or a range is not allowed for this parameter.

System Action: None.

User Response: Enter multiple commands specifying ranges of 100 volumes or less, or run the corresponding batch HSC Utility (which has no limit on cell ranges), or remove the invalid range.

SLS1012I

```
The value list specified for the CCCCCCCC1 parameter of the
CCCCCCCC2 command exceeds the maximum number of list items
```

Explanation: An attempt was made to enter a command or utility function specifying a value list for the *CCCCCCCC1* parameter of the *CCCCCCCC2* command exceeding the maximum number of list items.

System Action: The requested command or utility terminates.

User Response: Re-enter the command or utility specifying a value list where the number of items is equal to or less than the maximum number listed.

SLS1014I

```
SCRATCH SUBPOOL SUMMARY:
  ACS(AA)
  LSM(LL)   SUBPOOL(CCCCCCCCCCCCC1)   SCRATCH
 COUNT=DDDDDDDD1
               SUBPOOL(CCCCCCCCCCCCC2)   SCRATCH
 COUNT=DDDDDDDD2
  LSM(LL)   SUBPOOL(CCCCCCCCCCCCC3)   SCRATCH
 COUNT=DDDDDDDD3 SUBPOOL(CCCCCCCCCCCCC4)   SCRATCH
 COUNT=DDDDDDDD4
      TOTAL  SCRATCH=DDDDDDDD
```

Explanation: The Display SCRatch command successfully completed. The number of scratch volumes available for active subpools is displayed.

System Action: None.

User Response: None.

SLS1015I

```
ACS AA LSM LL:CC...CC1|DD..DD1 invalid for CC...CC2 parameter
on CC...CC3 command
```

Explanation: Invalid data was entered for the specified command.

AA	ACSid (decimal)
LL	LSMid (decimal)
CC...CC1|DD...DD1	data entered on command in error
CC...CC2	option specified on command in error
CC...CC3	name of command whose syntax rules were violated

System Action: The system takes no further action, except that a default value is used, and the command proceeds when the view time is invalid.

User Response: Re-enter the command with the correct parameters.

SLS1016I

```
ACS AA LSM LL:  CCCCCCCC1 rejected, CCC...CCC2 CCC...CCC3
```

Explanation: The specified command was rejected due to the specified condition.

AA	ACSid (decimal)
LL	LSMid (decimal)
CCCCCCCC1	name of command (VIew, etc.)
CCC...CCC2	name of object (ACS, ACSid, ADDRESS, CAP column, CAP row, cell column, cell row, COLUMN, Connecting LSM, HOST, HSC, LMU, LSM, LSMid, PANEL, PLAYGRND, PTP column, ROW, XLSM) or LMU request return code (if logic error condition)
CCC...CCC3	condition of object (does not exist, has downlevel micro-software, is disconnected, is invalid, is offline, is shutting down, not found, not specified, parameter specified in error, same as another parameter) OR logic error

System Action: The command is rejected. The system takes no further action.

User Response: The user may re-enter the command when the condition has been alleviated.

SLS1018D

```
ACS AA LSM LL; holding camera <N> for <time> seconds on
<component>  <location>
```

AA	ACSid (hexadecimal 00-FF)
LL	LSMid (hexadecimal 00-FF)
<N>	camera number (decimal 0-1)
<time>	5-120 as entered in the VIew command or defaulted from the OPTion Viewtime command
<component>	CAPid, CEll, HOSTis & Drive, PLaygrnd, or PTp as entered on the VIew command
<location>	address (ROW *RR* COL *CC*, *PP*:*RR*:*CC*, *XXX*, *CC*, or *LL*:*CC*) as specified on the VIew command

Explanation: The VIew command successfully completed. The camera is being held in the position requested.

System Action: The camera is held in position for the requested time interval, after which the robot is freed for other work. A record is optionally written to the SMF data set to log this event.

User Response: You should look at the monitor indicated by the ACS, LSM, and camera identifiers, note the status of the element being inspected, and then respond to the outstanding WTOR (any response at all) to free the hand to do other work. If you do not respond to the WTOR, the hand is automatically freed at the expiration of the specified or defaulted time interval.

SLS1025I

```
Volser range (#-#) exceeds 300 volumes
```

Explanation: The specified range contains more than 300 possible volumes. A maximum of 300 volumes can be specified.

System Action: None.

User Response: Decrease the range size.

SLS1026I

```
CCCCCCCC of EXIT successful
```

Explanation: *CCCCCCCC* is the function. For the Load function, the requested exit was loaded successfully. If the exit is enabled, the new module will be invoked when the exit is invoked. For the Enable function, the most current module for the exit enabled successfully. When the exit is invoked, this module is used. For the Disable function, the most current module for the exit disabled successfully.

System Action: HSC processing continues.

User Response: None.

SLS1027I

CCC...CCC1 of EXIT failed, *CCC...CCC2*

Explanation: *CCC...CCC1* is the function requested. For the Load function, the requested exit could not be loaded. For the Enable function, the most current exit could not be enabled. For the Disable function, the most current exit could not be disabled.

CCC...CCC2 is the reason for the error message.

Reason Explanations

- all user exits are inactive--Self Explanatory
- user exit number invalid--Must be UX01-UX99 format
- module not found--Load Module not in Load Library
- load error occurred--HSC internal error, try again
- function is invalid--Not "LOAD", "ENABLE", or "DISABLE"
- exit status invalid--Not "ACTIVE", or "DISABLE"
- lock attempt failed--HSC internal error, try again
- program error occurred--HSC internal error, try again
- exit is not dynamic--Exit may not be reloaded

System Action: HSC processing continues.

User Response: For the load function, verify that the requested module is a member name in the load module library described by the SLSUEXIT DD statement in the HSC startup procedure or within the STEPLIB data set concatenation. For the enable function, verify that a module is successfully loaded and is in a disabled state. For the disable function, verify that a module is successfully loaded and is in an enabled state.

SLS1028I

```
User exit status:

EXIT STATUS   LOAD-TIMESTAMP MODNAME SEQ # STATUS-CHANGED
ccc1 ccccccc2 ccccccccccccc3 ccccccc4 nnnnn ccccccccccccc5
                -
                -
                -
QUERY of EXIT successful
```

Explanation: A UEXIT QUERY command was entered. The status of the requested user exit(s) is displayed. One line of information is presented for each exit requested, with the following format:

ccc1	the user exit identifier	
ccccccc2	represents the user exit status. It is one of:	
	ACTIVE	the exit is loaded and active
	INACTIVE	the exit is not loaded
	DISABLED	the exit is loaded, but either was loaded in disabled status, or has been disabled
	ABENDED	the exit is loaded, but was deactivated due to an abend
	PENDING	the exit is loaded, and a UEXIT DISABLE command has been issued. The disable has not completed.
ccccccccccccc3	represents the date and time the user exit was loaded. The value is either *yyyy-mm-dd hh:mm:ss* or NEVER LOADED if the exit is not loaded.	
ccccccc4	shows the name of the module loaded for this exit, or N/A if the exit is not loaded.	
nnnnn	is the number of times this exit has been loaded, or NONE if the exit is not loaded.	
ccccccccccccc5	represents the date and time the user exit status last changed. The value is either *yyyy-mm-dd hh:mm:ss* or NEVER CHANGED if the exit is not loaded.	

System Action: The user exit status information is displayed.

User Response: None.

SLS1030I

```
HSC service level {BASE|FULL} active
```

Explanation: The command Display SRVlev successfully completed. The HSC is executing at the indicated service level.

This message appears when the Display SRVlev command for the base or full service level is completed.

System Action: None.

User Response: None.

SLS1031I

```
SUBpool(CCCCCCCCCCCCCC) not found; operator command ended
```

Explanation: An attempt was made to enter an operator command with the optional parameter SUBpool, but the requested subpool was not known to the HSC.

System Action: The operator command terminates without performing the requested function.

User Response: Validate the SUBpool name, and re-enter the operator command.

SLS1032I

```
No match found for ACSid AA; operator command ended
```

Explanation: An attempt was made to enter an operator command for a specific ACSid; however, a match for the ACSid was not found.

System Action: The operator command terminates without performing the requested function.

User Response: Re-enter the operator command with the correct ACSid.

SLS1033I

```
No match found for LSMid AA:LL; operator command ended
```

Explanation: An attempt was made to enter an operator command for a specific LSMid, but the LSMid entered was not found.

System Action: The operator command terminates without performing the requested function.

User Response: Correct the LSMid, and re-enter the operator command.

SLS1034I

```
No subpool data found for SUBpool XXXXXX
```

Explanation: An attempt was made to enter the Display SCRatch command with optional parameters such as ACSid, LSMid or SUBpool, but no match was found for the specified data. *XXXXXX* is the SUBpool name.

System Action: No information is displayed.

User Response: Correct the appropriate input parameter, and re-enter the operator command.

SLS1035I

CCCCCC of EXIT failed; user exit index is not valid

Explanation: *CCCCCC* is a function of the UEXIT command. Functions include Load, Enable, Disable or Query. The exit number passed in the UEXIT command was not within the current existing exit numbers.

System Action: The command terminates.

User Response: Provide the correct user exit number.

SLS1037I

```
THRESHOLD VALUE SUMMARY:

ACS AA Threshold DDDDDD  LSM LL Threshold DDDD
   Subpool   CCC...CCC   Threshold  DDDDDD
   Subpool   CCC...CCC   Threshold  DDDDDD
   Subpool   CCC...CCC   Threshold  DDDDDD
    .
    .
    .
   Subpool   CCC...CCC   Threshold  DDDDDD
```

Explanation: The Warn command successfully completed. The Threshold values represent the values set by the Warn command.

System Action: The system takes no further action, and normal operation continues.

User Response: No further user action is required.

SLS1038I

Scratch Subpooling not in effect; Operator command terminated

Explanation: An attempt was made to enter an operator command specifically dealing with scratch subpools; however, scratch subpooling was not in effect.

System Action: The operator command terminates without performing the requested function.

User Response: Enter the command only if scratch subpooling is active.

SLS1039I

Invalid Subpool name *S...S* specified in *C...C*

Explanation: A command *C...C* was issued which specified an invalid subpool name. The subpool name itself may be invalid, or may not be valid from the requesting host.

System Action: The command is terminated without performing the requested function.

User Response: Re-issue the command, specifying a valid subpool name.

SLS1040I

CCCCCCCC1 CCCCCCCC2 confirmed

Explanation: This message indicates that *CCCCCCCC1* value is *CCCCCCCC2*.

As an example, the various option setting commands invoked at HSC start-up time can have a HOSTid keyword. If HOSTid is there, it will be confirmed prior to the command executing.

System Action: None.

User Response: None.

SLS1041I

A keyword must be provided for the *CCCCCCCC* command

Explanation: Command *CCCCCCCC* was entered without a keyword.

System Action: None.

User Response: Re-enter the command with an appropriate keyword.

SLS1042I

CCCCCCCC ACS List:

ACSID(s): (*AA,AA,AA–AA*)

Explanation: This message displays the setting of the *CCCCCCCC* keyword ACS list where *AA* is an ACS identifier.

System Action: None.

User Response: None.

SLS1050I

CCCCCCCC information is not available; subsystem is not at the proper service level

Explanation: The Display command was not able to obtain the *CCCCCCCC* information because the subsystem was not at the correct service (functional) level. This message may be displayed before the HSC has fully initialized or when the service level has been changed by the SRVlev command. Display SRVlev can be used to display the current service level of the HSC.

System Action: None.

User Response: Re-enter the Display request when the subsystem is at the proper level.

SLS1051I

CCCCCCCC1 command not executed; HSC is at service level *CCCC2*

Explanation: The Subsystem did not execute the *CCCCCCCC1* command because the Subsystem was not at the correct service level as indicated by *CCCC2* (BASE or FULL).

System Action: None.

User Response: Re-enter the request when the subsystem is at the proper level.

SLS1052I

CCCCCCCC1 command not executed; HSC service level *CCCC2* change
in progress

Explanation: The Subsystem did not execute the *CCCCCCCC1* command because the
Subsystem is currently processing a change against *CCCC2* (BASE or FULL).

System Action: None.

User Response: Re-enter the request when the subsystem is at the proper level.

SLS1053E

CCCCCCCC1 command not executed; VSM not active

Explanation: The Subsystem did not execute the *CCCCCCCC1* command because the
Virtual Tape Control System (VTCS) support for the Virtual Storage Manager (VSM)
is not running on this system.

System Action: None.

User Response: Re-enter the request when VTCS is active.

SLS1054I

CCCCCCCC1 command not executed; MERGEcds is in progress

Explanation: The Subsystem did not execute the *CCCCCCCC1* command because the
MERGEcds utility is currently executing.

System Action: None.

User Response: Re-enter the request when the MERGEcds utility has finished.

SLS1071D

RELEASE CAP *AA:LL:CC* requested; reply N to cancel, or Y to
continue

Explanation: The RELease CAP command was entered. Verify that the CAP is not in
use by any system before replying Y to this message. To cancel the release of the
CAP, reply N.

System Action: If the response is Yes, CAP release processing continues. If the
response is No, the CAP is not released.

User Response: Reply with Y or N.

SLS1072I

CAP *AA:LL:CC* released

Explanation: The RELease CAP command has successfully completed. CAP
AA:LL:CC has been released.

System Action: None.

User Response: None.

SLS1074I

```
HSC CCCCCCCCCCCCCCC1 options:
CCCCCCCC2 - CCCCCCC3                (for downlevel SMC)
```

Explanation: This message displays the setting of all keywords for one of the component related set option commands. If the individual keyword setting is followed by the text "*(for downlevel SMC)*", it means that the option is only in effect when servicing requests from a downlevel SMC client.

System Action: None.

User Response: None.

SLS1075D

```
Dismount of volser from {drive XXXX|driveid AA:LL:PP:NN} -
Error on Tape; Ignore or Eject (I/E)
```

Explanation: An error (e.g., message IEC512I) caused the dismount of volume *volser*.

System Action: You are asked to Ignore (I) the error on the tape volume or to Eject (E) the tape volume from the library.

User Response: A reply of Ignore causes the volume to be dismounted normally. A reply of Eject causes the volume to be dismounted and ejected from the library. In either case, you should examine the system log for messages (e.g., IEC512I, IEC502E) which describe the tape error and may be important in deciding how to proceed with running the job.

SLS1153I

```
CCCCCCCC1 parameter list not allowed with parameter CCCCCCCC2
value list, on CCCCCCCC3 function
```

Explanation: A *CCCCCCCC3* function was processed that encountered a *CCCCCCCC1* parameter and a *CCCCCCCC2* parameter that had a value list (more than one value separated by commas or dashes). There can only be one *CCCCCCCC1* value identified on the function if the *CCCCCCCC2* parameter is supplied with a value list.

System Action: The utility control statement for the listed function is rejected.

User Response: Correct the parameters on the utility control statement for the function listed, and re-issue the command.

SLS1155I

```
Move summary: DDD {volumes|cells} specified;
{DDD volumes not found|DDD empty source cells};
DDD volumes moved; DDD move errors
```

Explanation: An HSC MOVe command has completed. If the MOVe command specified the Volume parameter then there were *DDD* volumes specified in the volume range and *DDD* volumes not found. Otherwise, if the MOVe command specified the Flsm parameter then there were *DDD* cells specified in the from LSM (or panel, row, or column), and *DDD* empty source cells. The number of volumes actually moved, and number of errors are also reported.

System Action: None.

User Response: If the number of errors reported is greater than 0, then determine the cause if the error by checking prior error messages.

SLS1156I

DDDD volume(s) moved

Explanation: *DDDD* volumes were moved during the MOVe function.

System Action: None.

User Response: None.

SLS1157I

DDDD volume(s) not moved

Explanation: *DDDD* volumes were not moved during the MOVe function.

System Action: None.

User Response: None.

SLS1158I

SCRATCH misspelled on ENTER utility control statement

Explanation: A SLUADMIN ENTEr utility was attempted; however, the SCRatch option specified on the ENTEr control statement was misspelled.

System Action: The requested utility function terminates.

User Response: Make the necessary control statement correction, and resubmit the utility.

SLS1159I

SUBpool (*CCCCCCCCCCCCCC*) is invalid - not known to system

Explanation: The EJECt utility requested scratch volumes to be ejected from a specific subpool; however, the subpool is not known to the system.

System Action: The utility terminates.

User Response: Select a different subpool from which to eject scratch volumes.

SLS1160I

HSC Address Space Communications is not active

Explanation: The SCREdist (scratch redistribution) utility could not start an ASCOMM task.

System Action: The utility terminates.

User Response: Contact StorageTek Software Support.

SLS1161I

Invalid keyword detected on PARM input

Explanation: A SLUADMIN utility job was submitted with PARM= parameters with an invalid keyword. Valid keywords and their values are:

MIXED, NOHDR, LINECNT=*nn*, DATE={4YR|2YR} XMLCASE={M|U}, and
XMLDATE={YYYYMONDD|YYYY-MON-DD|YYYY-MM-DD}

Where *nn* is a value between 10 and 99. NOHDR and LINECNT are mutually exclusive.

System Action: The utility function is terminated.

User Response: Correct the value in the JCL PARM field and resubmit.

SLS1162I

Parm values LINECNT and NOHDR are mutually exclusive

Explanation: A SLUADMIN utility job was submitted with a PARM= value containing both NOHDR and LINECNT. These two parameters are mutually exclusive.

System Action: The utility function is terminated.

User Response: Select either NOHDR or LINECNT for the SLUADMIN job and resubmit.

SLS1163I

Invalid LINECNT on PARM input

Explanation: A SLUADMIN utility job was submitted with a PARM= containing an invalid value for LINECNT. The value for LINECNT is a number between 10 and 99.

System Action: The utility function is terminated.

User Response: Correct the value for LINECNT in the JCL PARM and resubmit.

SLS1177I

The CDS specified on the CDS keyword is inactive

Explanation: The CDS keyword specified a data set that incurred an error. Refer to other utility messages that should be present.

System Action: The utility terminates.

User Response: If the CDS had an I/O error, run the backup against the other CDS if available. Restore the CDSs as soon as possible.

SLS1180I

The block count between the primary and secondary control data sets do not match

Explanation: The BACKup utility data set validation found a mismatch between the number of blocks in the primary and secondary control data set.

System Action: If the CDS parameter indicated secondary, the utility terminates. Otherwise, the utility continues using the primary data set.

User Response: Ensure that the correct data sets are being used. If they are, this error implies that relative location addressing is inconsistent between the two data sets. Analyze the data sets to see if the block count is the same. It may be required to restore the data sets in order to correct this situation. In order to back up the Secondary CDS, if this is the case, specify the Secondary as SLSCNTL and the Primary as SLSCNTL2. This allows a proper reserve to occur on the primary while backing up the secondary.

SLS1181I

Open failed for SLSCNTL

Explanation: An attempt to open the specified file was not successful.

System Action: Refer to operating system messages and codes for appropriate action.

User Response: Make the necessary correction, and run the utility again.

SLS1182I

```
Open failed for SLSLIBGN
```

Explanation: An attempt to open the specified file was not successful.

System Action: Refer to operating system messages and codes for appropriate action.

User Response: Make the necessary correction, and run the utility again.

SLS1183E

```
Wrong format CDS
```

Explanation: LISTCDS encountered a CDS prior to V1.0.4

System Action: The utility terminates without further action.

User Response: Correct the situation described in the error message, and resubmit the job.

SLS1184I

```
Read error on CDS
```

Explanation: An attempt to read the file pointed to by the SLSCNTL DD statement has failed.

System Action: The utility terminates.

User Response: Make the necessary correction, and run the utility again.

SLS1185I

```
LSM has no drives or passthru ports
```

Explanation: The HSC CDS pointed to by SLSCNTL has no indication of drives or a passthru port.

System Action: The utility terminates.

User Response: Verify that the SLSCNTL DD card specifies the correct CDS. If the CDS is correct, contact StorageTek Software Support.

SLS1186I

```
LIBGEN record CCCCCCCCCC
```

Explanation: A record (*CCCCCCCCCC*) is being echoed to the SLSPRINT file from the LIBGEN decompile utility.

System Action: None.

User Response: None.

SLS1187I

```
Possible invalid CDS - (CCC...CCC)
   where (CCC...CCC) is:
      No host count found
      No TCHNIQUE specified
      Unknown panel type
```

Explanation: SLUDBMAP has found a problem with the HSC CDS pointed to by the SLSCNTL DD statement.

System Action: The utility terminates.

User Response: Verify that the SLSCNTL DD card specifies the correct CDS. If the CDS is correct, contact StorageTek Software Support.

SLS1190E

```
Maximum CCCCCCC discrepancy count reached
```

Explanation: The BACKup analysis routine found that the maximum count of discrepancies was reached for CCCCCCC. CCCCCCC can be SCRATCH, SELECT or AUDIT. Limits for each discrepancy type are:

```
AUDIT    =  96,000
SELECT   =  10,000
SCRATCH  =  10,000
```

System Action: The utility discontinues discrepancy saving and output for the discrepancy type. All prior discrepancies for this type are still saved and output for RESTore processing.

User Response:

- If the discrepancy type is AUDIT, a full audit should be run after the RESTore.
- If the discrepancy type is SCRATCH, the SCRAtch utility should be run after the RESTore.
- If the discrepancy type is SELECT, contact StorageTek Software Support.

SLS1191E

   (...ERROR TEXT...)

Explanation: LISTCDS encountered a problem. Valid error text messages include:

- Premature end of file
- No DPV record found
- Invalid record in CDS
- OBTAIN failed on CDS
- No VOLSERs in PARM
- No VOLSERs matched CDS
- Invalid count
- SLSCNTL DD not present
- Track calculation error
- Parameter syntax error
- Too many record types in CDS
- Range not allowed
- List max exceeded
- DVAR max of 1000 exceeded

System Action: The utility terminates without further action.

User Response: Correct the situation described in the error message, and resubmit the job. If you receive the message "Too many record types in CDS", it may be an internal error. Contact StorageTek Software Support.

SLS1192I

CCCCCCCC1 parameter *CCCCCCCC2* invalid

Explanation: A SLUADMIN utility did not recognize a valid keyword *CCCCCCCC2* combined with the input parameter *CCCCCCCC1*.

System Action: The utility terminates processing.

User Response: Supply the proper input keyword and parameter; then submit the SLUADMIN utility job.

SLS1193I

Recovery techniques do not match

Explanation: The DPV recover technique flags did not compare between the primary and secondary control data sets.

System Action: The utility continues processing.

User Response: Ensure that the data sets provided are the correct ones. If not, obtain the proper data sets and resubmit the SLUADMIN utility job. If these are the proper data sets, either run the SET utility to re-establish the technique or run a RESTore to resole the DPV flags.

SLS1194I

A *CCCC* mismatch occurred in block *XXXX1* at offset *XXXX2*

Explanation: A mismatch between the primary and secondary copies of the control data sets was detected. This error message occurs when a bit in either block does not compare. It does not mean that either data set is bad but rather that analysis of the block will be done. *CCCC* is the block name. *XXXX1* is the hexadecimal number of the block that encountered the error. *XXXX2* is the hexadecimal offset into the block of the first error.

System Action: The block will be analyzed.

User Response: This information can be used to diagnose a problem with the block indicated.

SLS1195I

Unable to dynamically allocate the CDS, *CCC...CCC*

Explanation: EXPLANATION: An attempt was made to execute a utility which required access to the CDS, but no CDS DD statements were provided. The utility was unable to access the HSC subsystem to determine the active CDS files.

System Action: The utility terminates.

User Response: Correct the problem preventing dynamic allocation of the CDS files, or provide DD statements for the CDS.

SLS1196E

Number of CDS statements does not match TCHNIQE parameter {NONE|SHADOW|JOURNAL|BOTH}

Explanation: The SET TCHNIQE utility function was run to set the recovery technique to the indicated value, but the number of input CDS DD statements did not match the new value.

- For techniques SHADOW and BOTH, the SLSCNTL and SLSCNTL2 DD statements must be specified.
- For techniques STANDBY and ALL, the SLSCNTL, SLSCNTL2, and SLSSTBY DD statements must be specified.

System Action: The utility function terminates with RC=8.

User Response: Supply the correct CDS DD statements and re-execute the utility.

SLS1197I

CCCCCCCC is indicated but the DD statement is not present

Explanation: This is a warning message stating that the recovery technique indicates a secondary or standby data set. However, one of the required DD statements is not present. Valid secondary DD statements are SLSSHDW, SLSCNTL2 and DBASESHD. The valid standby DD statement is SLSSTBY.

System Action: The utility continues.

User Response: Provide the DD statement, if necessary, and resubmit the SLUADMIN backup utility job.

SLS1198I

```
The CCCCCCCC control data set DD statement is invalid or not
present
```

Explanation: The control data set DD statement was not found to be valid. Valid DD statement names are SLSCNTL or DBASEPRM for the primary control data set and SLSSHDW, SLSCNTL2 or DBASESHD for the secondary data set.

System Action: The utility will terminate if this is the primary control data set.

User Response: Provide the DD statement as necessary, and resubmit the SLUADMIN utility job.

SLS1199I

```
The Backup being restored is from DDDDDDDD at HH:MM:SS
```

Explanation: The RESTore utility found that the backup being restored was taken on *DDDDDDDD* at HH:MM:SS. The format of *DDDDDDDD* depends on the DATE= 4YR|2YR parameter on the BACKUP utility. For DATE=4YR (default), the date will be in YYYYMMDD format. For DATE=2YR, the date will be in MM/DD/YY format.

System Action: None.

User Response: If this is not the backup desired, obtain the proper backup; and resubmit the SLUADMIN RESTore utility.

SLS1200I

```
Invalid eyecatcher EBCDIC(CCCC) HEX(XXXX) found in CCCCCCCC
```

Explanation: An invalid block eyecatcher was found. The message gives both the EBCDIC *CCCC* value and an EBCDIC formatted hex *XXXX* value so that the actual four byte field may be seen for the *CCCCCCCC* DD data set.

System Action: The data set found with this condition is placed inactive. If no other control data sets are available, the utility terminates. If this is the BACKup utility and the CDS parm is specified for the data set that went inactive, processing terminates. Otherwise, processing continues on the other control data set if available.

User Response: Ensure that the correct control data set was supplied. Browse the given data set, and find the block in question. If this data set is correct, contact StorageTek Software Support.

SLS1201I

```
SLUDRTLM could not find the VMF control record
```

Explanation: An attempt by SLUDRTLM to read the TLMS VMF control record was unsuccessful.

System Action: No further processing of the TLMS VMF will be attempted by SLUCONDB.

User Response: Ensure that SLUDRTLM is assembled with the same version of the TLMS source library as is the TLMS VMF. For example, if using a TLMS 5.4 VMF, SLUDRTLM must be assembled with the TLMS 5.4 source library in the SYSLIB concatenation for the assemble step.

SLS1202I

Utility incomplete, make corrections and rerun

Explanation: A SLUADMIN utility could not complete due to the errors indicated by other SLSxxxx messages.

System Action: The utility terminates processing.

User Response: Make corrections, and resubmit the SLUADMIN utility job.

SLS1203I

Missing or invalid *CCCCCCCC* DD statement

Explanation: A SLUADMIN utility could not locate the required *CCCCCCCC* DD statement or the information provided (such as device type or data set) was invalid, or, if running VOLRPT and referencing data sets from HSC, either HSC was not active or was not at the same release level as the VOLRPT.

System Action: The utility terminates processing.

User Response: Supply the proper DD statement, and resubmit the SLUADMIN utility job.

SLS1204I

I/O error reading the *CCCCCCCC* data set

Explanation: An I/O error occurred while reading from the *CCCCCCCC* DD data set.

System Action: If the data set in error is a CDS data set, then the data set is made inactive, and, if no other control data sets are available, the utility terminates. If the data set in error is not a CDS data set, then the utility terminates.

User Response: Supply the correct *CCCCCCCC* data set, and resubmit the SLUADMIN utility job.

SLS1205I

I/O error writing the *CCCCCCCC* data set

Explanation: An I/O error occurred while writing to the *CCCCCCCC* DD data set.

System Action: If the data set in error is a CDS data set, then the data set is made inactive, and, if no other control data sets are available, the utility terminates. If the data set in error is not a CDS data set, then the utility terminates.

User Response: Supply the correct *CCCCCCCC* data set, and resubmit the SLUADMIN utility job.

SLS1207I

Not enough space in the *CCCCCCC* data set

Explanation: A SLUADMIN utility could not continue to process against the *CCCCCCCC* data set because there was not enough space.

System Action: The utility terminates processing.

User Response: Supply the proper amount of space, and resubmit the SLUADMIN utility job.

SLS1208I

The *CCCCCCCC1* data set was made inactive; processing will continue on the *CCCCCCCC2* data set

Explanation: The BACKup utility detected that one or the other *CCCCCCCC* DD control data sets went inactive and continued the BACKup on the other data set. Any discrepant data found before the *CCCCCCCC1* data set error is kept. Compares are still performed on *CCCCCCCC2* to obtain cell information and generate DSEL (UNSELECT), DSCR (UNSCRATCH), and DAUD (AUDIT) blocks.

System Action: The utility continues processing on one data set instead of two.

User Response: None.

SLS1209I

All Control data set copies found inactive; *CCCCCCCC* terminated

Explanation: A SLUADMIN utility detected that all control data set copies went inactive. An I/O error or block error occurred.

System Action: The utility terminates.

User Response: Look for another SLSxxxx message that shows the cause of the error.

SLS1210I

Processing has started for the *CCCC* block

Explanation: The BACKup utility has begun analysis of the *CCCC* block.

System Action: Detailed block analysis.

User Response: None.

SLS1211I

Processing complete for the *CCCC* block

Explanation: The BACKup utility completed analysis of the *CCCC* block.

System Action: None.

User Response: None.

SLS1212I

CCCCCCCC1 has been verified for the *CCCCCCCC2* utility

Explanation: A SLUADMIN utility *CCCCCCCC2* information *CCCCCCCC1* has been verified. An example *CCCCCCCC1* is JCL.

System Action: None.

User Response: None.

SLS1213I

Discrepancy blocks have been generated

Explanation: At least one Discrepancy block was generated during backup. A Volser or cell location was found to be invalid. A block was placed in the SLSBKUP data set to allow for an action (AUDIT, UNSELECT or UNSCRATCH) upon restore.

System Action: A discrepancy block is output to the SLSBKUP data set.

User Response: None.

SLS1214I

No discrepancy blocks were generated

Explanation: No discrepancy blocks were generated during backup. The utility did not find any volser or cell discrepancies.

System Action: None.

User Response: None.

SLS1215I

CCCCCCCC1 was successfully copied to *CCCCCCCC2*

Explanation: The data set specified by the *CCCCCCCC1* DD statement was successfully copied to the data set specified by *CCCCCCCC2*.

System Action: None.

User Response: None.

SLS1216I

CCCCCCCC was selected as the control data set to output

Explanation: The data set specified by the *CCCCCCCC* DD statement was selected to be output to the SLSBKUP data set. This is done by either the BACKup utility keyword CDS(Primary|Secondary) or by the BACKup utility program based on the data set seen to have the most updates.

System Action: None.

User Response: None.

SLS1217I

CCCCCCCC data set was not on DASD

Explanation: The data set specified by the *CCCCCCCC* DD statement was not found to be on a DASD volume.

System Action: The utility terminates.

User Response: Place the *CCCCCCCC* data set on a DASD volume, and restart the utility.

SLS1218I

DHBEFLAGS may not have been reset in a CDS

Explanation: The DHBE host active flags may not have been reset due to a previous error condition.

System Action: Utility terminates.

User Response: Check the report for a prior error and take action based on that message.

SLS1219I

CCCCCCCC1 data set was successfully restored from *CCCCCCCC2*

Explanation: The data set specified by the *CCCCCCCC1* DD statement was restored from the *CCCCCCCC2* DD data set.

System Action: None.

User Response: None.

SLS1220I

The HSC is not at the proper service level

Explanation: An attempt was made to run a given utility, but the HSC was not at the correct level to run this utility.

System Action: The utility terminates.

User Response: Bring the HSC up to the proper service level, and run the utility again.

SLS1221I

No scratch volumes available for subpool *CCCCCCCCCCCC*

Explanation: The EJECt utility requested scratch volumes be ejected from a specific subpool; however, there were no scratch volumes available in the subpool.

System Action: The utility terminates.

User Response: Select a different subpool from which to eject scratch volumes, or run the SCRAtch utility to make volumes scratch.

SLS1222I

COMMAND *CCCCCCCC* REQUIRES {HSC ACTIVE|HSC LEVEL BASE|HSC LEVEL FULL|VTCS ACTIVE}

Explanation: An attempt was made to run a command or utility, but the HSC or VTCS was not at the required service level.

System Action: The command terminates.

User Response: Bring the HSC up to the proper service level, or ensure that VTCS is active if required, and re-execute the command or utility.

SLS1223I

HSCLEVEL set to *CCC* for Host *CCCCCCCC*

Explanation: The CDS host active and HSC level flags for the named host have been set to indicate that the host is inactive.

System Action: None, unless the named host is really active, in which case a running host will turn on its "host active" and HSC level status flags again.

User Response: None.

SLS1224I

Cells *AA:LL:PP:RR:CC- AA:LL:PP:RR:CC* found empty or invalid

Explanation: The cell or cells in question were found empty or may not be a valid cell to hold a volume. Compare with past audits to check for validity.

System Action: The volume is made errant.

User Response: The mentioned cell should be audited to insure correctness, if necessary.

SLS1225I

Request cancelled or subsystem terminating

Explanation: A utility command was attempted but did not complete, either because it was cancelled via a UUI CANCEL command, or because the HSC subsystem was in the process of terminating.

System Action: The command terminates.

User Response: Ensure that the HSC subsystem is active, and resubmit the request.

SLS1227I

RESTORE is required before running SET TCHNIQE

Explanation: A SLUADMIN utility (SET TCHNIQE) is attempting to SET the Control Data Set recovery TCHNIQE and has noticed that RESTore was not run. BACKup and RESTore must be run prior to running SET TCHNIQE.

System Action: The utility terminates processing.

User Response: RESTore CDS copies and resubmit the SLUADMIN utility (SET TCHNIQE) job.

SLS1228I

Unable to select HSC subsystem; all HSC subsystems are MULT

Explanation: A SLUADMIN utility or UUI request attempted to select an HSC subsystem, but was unable to select a subsystem as all available HSC subsystems were started in MULT mode.

System Action: The utility terminates, or the UUI command is not executed.

User Response: If the message is from a SLUADMIN utility, resubmit the utility, specifying the SSYS=xxxx parameter on the EXEC statement (where xxxx = the subsystem name of the desired HSC subsystem).

If the message is from a UUI utility, it indicates that the correct interface parameters have not been specified. Contact StorageTek software support for assistance.

SLS1250D

ENTER of volume *volser* encountered missing duplicate volser; (Logically) Delete, or Ignore (D,I)?

Explanation: An ENter operation found a duplicate volume in the control data set, but the volume could not be physically located in the library.

System Action: You are asked to Delete (D) the volume entry from the control data set or Ignore (I) the enter request.

User Response: A reply of Delete removes the volume entry from the control data set thus allowing the cartridge to be entered. A reply of Ignore terminates the entry of the new volume.

SLS1251E

CAPid *AA:LL:CC* (*CCCCCCCC1*): *CCCCCCCC2*

Explanation: The specified requestor (*CCCCCCCC1*) requested that the string *CCCCCCCC2* be displayed when the CAP was opened or unlocked.

System Action: None. The message is unhighlighted when the CAP door is closed.

User Response: None.

SLS1252I

```
EJECT of volser - Volume deleted from the CDS
```

Explanation: An operator replied I to message SLS0925D.

System Action: None.

User Response: None.

SLS1253I

```
CCC...CCC rejected - CCC...CCC is CCC...CCC
```

Explanation: A CAP operation failed. Possible responses are:

- ENTER|EJECT rejected - ACSid *AA* is invalid
- ENTER|EJECT rejected - ACSid *AA* is not connected
- ENTER|EJECT rejected - CAP *AA:LL:CC* is busy
- ENTER rejected - CAP *AA:LL:CC* is unavailable
- ENTER|EJECT rejected - LSMid *AA:LL* is invalid
- ENTER|EJECT rejected - LSMid *AA:LL* is offline
- ENTER of *volser* rejected - LSMid *AA:LL* is full
- ENTER of *volser* rejected - Operation is aborted by operator
- EJECT of *volser* rejected - Volume is busy
- EJECT of volume *volser* rejected - CAP *AA:LL:CC* is not in the same ACS as the volume

System Action: None.

User Response: None.

SLS1254I

```
{ENTER|EJECT} rejected; non-zero return code XXXXXXXX
```

Explanation: An unexpected return code was returned from CAP processing.

System Action: The request is rejected.

User Response: Contact StorageTek Software Support.

SLS1255I

```
Option DUPOFL set to ON, enter of dup volser allowed, scan of
dup volser cell returned LMU RC - XXXX
```

Explanation: During the ENter of the volser it was found to be a duplicate of a volser the control data set believes is in the library. There is a hardware issue preventing a physical verification of what is in the cell where the control data set believes the volser exists. The LMU RC defines the hardware problem preventing the physical volser lookup.

System Action: The OPTion DUPOFL setting of ON has allowed the duplicate volser processing to occur. The duplicate volser was logically deleted from the control data set. The volser found to be a duplicate during ENter processing is entered into the library.

User Response: None.

SLS1300D

CAPid *AA:LL*:CC allocated to AUDIT Utility; KEEP or RELEASE the
CAP?   (K or R)

Explanation: A SLUADMIN utility function has a Cartridge Access Port (CAP)
allocated which may be released and reallocated to another function requiring the
use of a CAP. If the CAP is released, the utility function may at some later time
attempt to reallocate the CAP if required.

System Action: The utility waits until either a valid response is provided or for five
minutes to pass.

User Response: Respond R if the CAP should be released. Then empty the CAP and
close the door. The audit will then resume.

Respond K if the CAP should remain allocated for the duration of the utility.

If no response is provided in the five minute time interval, a default response of K is
assumed.

SLS1301I

Invalid reply *C*

Explanation: A reply to a message was invalid.

System Action: The original message requiring a reply is reissued.

User Response: Give a valid reply when the message is reissued.

SLS1302I

Unable to allocate CAPid *AA:LL:CC*, RC=*XXXXXXXX*

Explanation: A SLUADMIN utility function requiring a Cartridge Access Port (CAP)
could not allocate the CAP specified on the utility control statement.

System Action: The utility terminates.

User Response: Determine the reason for the indicated CAP error return code, and
resubmit the SLUADMIN utility job.

SLS1303I

Unable to allocate CAP in ACSid *AA*, RC=*XXXXXXXX*

Explanation: A SLUADMIN utility function requiring a Cartridge Access Port (CAP)
could not allocate a CAP in the specified ACS.

System Action: The utility terminates.

User Response: Determine the reason for the indicated CAP error return code, and
resubmit the SLUADMIN utility job.

SLS1310I

Invalid LIBONLY specified in PARM parameter of JCL

Explanation: A SLUCONDB utility program detected the LIBONLY positional
parameter was incorrectly specified in the invoking JCL.

System Action: The parameter is indicated in error, and the utility terminates with a
return code of 8.

User Response: Respecify parameter correctly.

SLS1311I

```
Program interface error encountered while processing volume
volser;   RC=XXXXXXXX
```

Explanation: A SLUCONDB utility program encountered an error while attempting to place a volume into scratch status via the HSC Program Interface.

System Action: The volume and return code are indicated in the message text, and the utility terminates with a return code of 8.

User Response: Refer to other error messages issued with this message to determine the cause of the error, correct the error, and resubmit the job.

SLS1312I

```
DDDDDDDD volumes successfully scratched
```

Explanation: A SLUCONDB utility program successfully placed the specified number of volumes into scratch status.

System Action: None.

User Response: None.

SLS1313I

```
No valid parameters specified for the CCCCCCCC utility
```

Explanation: The utility depicted by *CCCCCCCC* requires at least one valid keyword or parameter.

System Action: None.

User Response: Provide the appropriate keyword, and resubmit the utility.

SLS1314I

```
CDS CCCCCCCCCC was not provided in the JCL
```

Explanation: Data set name *CCCCCCCCCC* was found in a CDS but was not provided in the utility JCL.

System Action: The utility terminates with RC=8.

User Response: Add the appropriate CDS DD statement in the utility JCL.

SLS1315I

```
DDDDDDDD was selected as the CCCCCCCC control data set
```

Explanation: The utility function found that data set *DDDDDDDD* was the *CCCCCCCC* CDS according to the DHB block or the JCL.

System Action: The utility continues.

User Response: None.

SLS1316I

```
Standby control data set not used during analysis
```

Explanation: The utility function found that the standby DD statement was provided during the execution of BACKup OPT(Analyze).

System Action: The utility discontinues use of the standby data set.

User Response: None.

SLS1317I

No DES record found for errant volume *volser*

Explanation: During an AUDIt, a VAR record was found for volume *volser* that showed the volume to be errant. However, no matching DES record was located for the errant volume in the CDS. This message should be accompanied by message SLS0180I in the SLUADMIN AUDIt report.

System Action: The utility terminates without completing the requested function.

User Response: This message indicates a serious logical problem with the CDS, and probably indicates database corruption has occurred. Save all console logs (SYSLOG), and be prepared to provide a backup copy of the CDS as problem documentation. Contact StorageTek Software Support.

SLS1318I

Volume *volser* now has a readable label

Explanation: During an AUDIt, a VAR record was found for volume *volser* that showed the volume to have an unreadable external label. However, the actual scan of the volume showed the OCR label was readable and matched the volser in the VAR.

System Action: The utility updates the CDS to indicate the volume has a readable external label.

User Response: None.

SLS1321I

Invalid parameter found at end of PARM parameter of JCL

Explanation: The SLUCONDB utility program detected additional characters after the end of valid parameters specified in the invoking JCL.

System Action: The utility terminates with a return code of 8.

User Response: Respecify the PARM parameters correctly. Then execute the utility again.

SLS1401I

User exit 03 overridden by VOLPARM definitions

Explanation: The user exit 03 definitions have been overridden by the SET VOLPARM utility definition. If no TYPE(SCRATCH) POOLPARM definitions are included in the SET VOLPARM utility, no SCRATCH POOLs will be defined.

System Action: The SET VOLPARM utility definition is active.

User Response: None.

SLS1402I

Actual entries=*nn* or subpools=*nn* not equal expected

Explanation: The volume subpool built by the user's SLSUX03 user exit did not conform to the initial SLSUX03 user exit definitions.

System Action: None, the subpools are built using the actual number of subpools and entries.

User Response: Correct the SLSUX03 user exit to define the subpools correctly.

SLS1403I

```
Parmlib control statement value CCCCCCCC invalid for SCRPOOL=
CCCCCCCC
```

Explanation: Processing of the SCRPOol control statement has uncovered the specified error.

'CCCCCCCC' of 'value *CCCCCCCC*' can contain the following text:

RANGE	Indicates a problem with the "RANGE" usage
RANGE=(111111-222222)	Indicates a problem with the "RANGE" list
111111	The 1st value in a given SCRPOOL range list
222222	The 2nd value in a given SCRPOOL range list
NAME	Indicates a problem with the "NAME" usage
LABEL	Indicates a problem with the "LABEL" usage
HOSTID	Indicates a problem with the "HOSTID" usage

System Action: The SCRPOol control statement in error will not be processed, and that subpool definition will not be in the system.

User Response: Make the necessary corrections. Then bring HSC down and back up to activate the changes.

SLS1404I

```
Duplicate definition(s) for SCRPOOL CCCCCCCCCCCCC
```

Explanation: HSC detected a SCRPOOL statement for a subpool name that was already defined.

System Action: HSC ignores the duplicate definitions.

User Response: Remove duplicate definitions of subpool *CCCCCCCCCCCCC* from the HSC start-up parameters or SCRPDEF file.

SLS1405E

```
Virtual SCRPOOL CCCCCCCC not found in current definitions
```

Explanation: While calculating the current scratch counts for virtual volumes, the VTCS returned a scratch pool name unknown to the HSC.

System Action: The HSC DIsplay SCRatch command will not report the unknown virtual scratch subpool as a named subpool, but will add the subpool scratch count to the total virtual scratch count.

User Response: This condition should not occur and indicates a probable software error. Contact StorageTek Software Support.

SLS1406I

Label Type *CCC* is already assigned to SUBPOOL *CCCCCCCCCCCC*

Explanation: HSC initialization found multiple label types being assigned to the same subpool.

System Action: Probable user error. Ensure that only one label type per subpool is being specified when defining subpools to HSC.

User Response: Correct user error in either HSC User Exit 03 or HSC PARMLIB member defining scratch subpools.

SLS1407I

User SCRATCH subpool definition from *CCCCCCC* initiated

Explanation: User SCRATCH subpool definition, using *CCCCCCC* as the source, has begun.

CCCCCCC ="PARMLIB"- Source for User SCRATCH subpool definition is the "SLSSYSnn" DD card; ="UEXIT03"- Source for User SCRATCH subpool definition is User EXIT 03.

System Action: The user SCRATCH subpools are defined. This message is normally followed by messages SLS1969I and SLS1408I.

User Response: None.

SLS1408I

User SCRATCH subpool definition from *CCCCCCC* complete

Explanation: User SCRATCH subpool definition, using *CCCCCCC* as the source, is complete.

CCCCCCC ="PARMLIB"- Source for User SCRATCH subpool definition is the "SLSSYS00" DD card; ="UEXIT03"- Source for User SCRATCH subpool definition is User EXIT 03.

System Action: None. This message is normally preceded by messages SLS1407I and SLS1969I.

User Response: None

SLS1409I

Subpool *CCCCCCCCCCCC* has duplicate volser range *volser-volser*

Explanation: The definition for subpool *CCCCCCCCCCCC* has a duplicate volser range.

System Action: The subpool definitions are not loaded.

User Response: Ensure that the User Exit 03, parmlib SCRPool definitions, or SCRPDEF scratch subpool definitions for subpool *CCCCCCCCCCCC* has no duplicate volser ranges.

SLS1410I

VCAM cleaner error detected for LSM *AA:LL*

Explanation: The record in the HSC Control Data Set (CDS) which tracks cleaner cartridges for LSM *AA:LL* has an error. The low cartridge serial is greater than the high cartridge serial.

System Action: The HSC reads all cleaner volume records and synchronizes them with the LSM cleaner data. It then retries the cleaner selection process.

User Response: None.

SLS1411I

SCRPDEF cmd(s) disabled by PARMLIB SCRPOOL(s) or USER EXIT03

Explanation:

1. SCRPDEF command has been disabled during HSC STARTUP by the presence of SCRPOOL command(s) or USER EXIT03 processing.

2. The SLS1411I message is issued at the time HSC STARTUP processing disables the SCRPDEF command.

3. This message is also issued if SCRPDEF command(s) are requested after the SCRPDEF command has been disabled.

System Action: SCRPDEF cmds(s) will be bypassed.

User Response:

- If the SCRPDEF commands ARE NEEDED correct the HSC PARMLIB and HSC startup processing as appropriate:
  - Remove the SCRPOOL cmd(s),
  - Remove the USER EXIT03 processing.
- If the SCRPDEF commands are NOT NEEDED there is no corrective action needed.

SLS1450I

CAP cannot be released. LSM *AA:LL* is not available

Explanation: A request to release the CAP on LSM *AA:LL* could not be honored because the HSC could not communicate with the LSM.

System Action: The CAP will not be released by the HSC.

User Response: Examine the console log for other HSC messages which might indicate LMU errors or hardware errors. It is likely that the LSM is in an inactive or not-ready status. Correct any hardware errors which are found before attempting to release the CAP again.

SLS1500I

Error copying primary data base to secondary and/or standby data base

Explanation: The secondary and/or standby control data set may be invalid.

System Action: The reconfiguration stops processing.

User Response: The installation may use a utility such as IEBGENER to copy the primary control data set to the secondary and/or standby control data set.

SLS1501I

SYNAD Error Message text

Explanation: During the copy of the primary control data set to the secondary and/or standby control data set at the end of reconfiguration processing, the SYNAD error routine gained control. The message text is the text provided by SYNAD processing.

System Action: The reconfiguration stops processing.

User Response: After determining the cause of the error, the installation may use a utility such as IEBGENER to copy the primary control data set to the secondary and/or standby control data set.

SLS1502I

SMF subparameter *CCCCCCCC*; no SMF data will be recorded

Explanation: The SUBPARM parameter for this subsystem was NOT SPECIFIED or was INVALID.

System Action: The subsystem defaults to no SMF recording.

User Response: If the installation wishes to add SMF recording, a SET SMF or SETSMF command may be entered specifying 'SUBPARM(ssnx(SUBTYPE(a,b,c...)))'.

SLS1505I

HSC service level {BASE|FULL|JES3} initialization complete

Explanation: The HSC initialization process has completed for the indicated service level.

This message appears when initialization for the base or full service levels or the JES3 subsystem is completed.

System Action: None.

User Response: None.

SLS1506I

HSC service level {BASE|FULL|JES3} termination in progress

Explanation: The HSC has begun termination of the indicated service level. This message appears when termination for the base or full service levels or the JES3 subsystem has begun.

System Action: None.

User Response: None.

SLS1507I

Command starting at line *NN* has excessive length

Explanation: The HSC was reading commands from the parameter data set when it encountered a command with an excessive length. For operator commands, this limit is 126. For other commands, this limit is 32767.

System Action: Processing continues. The command in error is ignored.

User Response: Ensure the parameter data set has correct syntax.

SLS1508I

`Unknown command CCCCCCCC at line NN`

Explanation: The HSC was reading commands from the parameter data set when it encountered an undefined command.

System Action: Processing continues. The command in error is ignored.

User Response: Ensure the parameter data set has correct syntax.

SLS1509I

`I/O error CCCCCCCC`

Explanation: An I/O error occurred. *CCCCCCCC* is a message describing the error. For MSP, this is information from the SYNADAF message buffer. For VM, this includes the jobname, unit address, DD name, a hex dump of the DECB ECB, and the relative block number.

System Action: The remainder of the parameter data set is ignored. Statements successfully read before the error will be processed. The system continues with initialization, if possible. This will not be possible if the CDS or JOURNAL statements were missed.

User Response: Operator commands may be issued for many statements that were missed in the parameter data set. For the CDS or JOURNAL statements, correct the error and restart the HSC.

SLS1510I

`Comment not terminated near line NN`

Explanation: While processing the parameter data set, a comment (initiated by a **/***) was not terminated by a ***/**. This occurred near line *NN*.

System Action: The remainder of the command after **/*** is ignored. Commands after the one in error will be processed. However, further errors may occur.

User Response: Put a closing comment indicator (***/**) in the parameter data set.

SLS1511I

`CCCCCCCCCCCCCCCCCCCCCC`

Explanation: The HSC is sending the information from the parameter data set to the hardcopy log for documentation purposes.

System Action: Processing continues.

User Response: None.

SLS1512I

`Error occurred processing CCC...CCC`

Explanation: An error occurred processing the parameter data set (*CCC...CCC*).

System Action: The remainder of the parameter data set is ignored. Statements successfully read before the error will be processed. The system continues with initialization, if possible. This will not be possible if the CDS or JOURNAL statements were missed.

User Response: Operator commands may be issued for many statements that were missed in the parameter data set. For the CDS or JOURNAL statements, correct the error and restart the HSC.

SLS1513I

HSC service level {**BASE**|FULL} termination complete

Explanation: The HSC has terminated the indicated service level. The termination is normal if initiated by operator command. The termination is abnormal if it is initiated by the HSC itself due to a software failure which could not be recovered.

System Action: None.

User Response: None.

SLS1515I

MSP 4.1.0 services are not present

Explanation: An attempt was made to initialize the MSP 4.1.0 version of the HSC on an MSP that does not support the necessary services (CVTH4410 is not on).

System Action: The HSC does not initialize.

User Response: Initialize the correct version of the HSC.

SLS1516I

HSC Version *CCCCCCCC*

Explanation: The version of the HSC being initialized is displayed in *CCCCCCCC*.

System Action: Processing continues.

User Response: None.

SLS1517A

The HSC task name does not match a subsystem name or the SSYS
keyword was not provided

Explanation: During initialization a subsystem name must match either the startup procedure name or the PARM="SSYS(*CCCC*)" definition in the startup procedure. *CCCC* is a one to four character subsystem name.

If the SSYS parameter is specified, the HSC uses the SSYS parameter value to search for a subsystem name that matches the value. If the SSYS parameter is not specified, the HSC uses the startup procedure name (started task name) for the search.

In MSP, the subsystem name is defined in IEFSSNxx. In VM, the startup procedure is the HSC startup SLKJCL file. The LIBSUBSYS parameter value in the system profile (SYSPROF) must match the jobname in the HSC startup SLKJCL file, or the SSYS parameter value must match the LIBSUBSYS parameter value.

System Action: The HSC terminates.

User Response: Supply the correct subsystem name or job name, and restart the HSC.

SLS1518I

Pre-initialization complete

Explanation: The HSC startup procedure invoked using the INIT parameter has completed.

System Action: The INIT parameter sets the subsystem up to use the Job Entry Subsystem (JES) services.

User Response: None.

SLS1519I

```
PARMLIB command CCCCCCCC at line NN is not supported in this
environment - ignored
```

Explanation: The HSC was reading commands from the parameter data set when it encountered a command that is not supported in this environment (MSP or VM).

System Action: Processing continues. The command is ignored.

User Response: None.

SLS1520I

```
PARMLIB command CCCCCCCC at line nn must be run as a utility -
IGNORED
```

Explanation: A command CCCCCCCC in the HSC PARMLIB is valid only as a utility.

System Action: The command is not processed.

User Response: Use the Display CMD ccccccc to determine the valid environments for HSC and VTCS commands. Run the SLUADMIN utility to execute commands that are not valid from the PARMLIB.

SLS1521I

```
No TAPEPLEX name found in CDS
```

Explanation: During HSC startup it was discovered that the TAPEPLEX name had not been set.

System Action: None. SMF records will not contain the tapeplex name, which may affect statistical reporting.

User Response: Run the SET TAPEPLEX utility function to set the tapeplex name to the desired value, or start SMC to set the tapeplex name automatically. After the tapeplex name has been set, any SMC command sent from an unmatched tapeplex name is rejected.

SLS1600I

```
HOST-to-HOST  Summary:

     Hostid     Method     MethLim     VTAMname     LMUpath
[>>] host1      meth1      methlim1    [name1]      [acsid1]
     host2      meth2      methlim2    [name2]      [acsid2]
      .          .          .           .            .
      .          .          .           .            .
      .          .          .           .            .
     hostn      methn      methlimn    [namen]      [acsidn]
```

Explanation: A list is displayed of defined HSC HOSTid(s) with corresponding current method and method limit.   ">>" is displayed to indicate the parameters are for the executing host. If defined, the VTAMpath name is displayed. If the current method is LMU, the active LMUpath ACSid is displayed.

System Action: None.

User Response: None.

```
SLS1601I

  Host-to-Host Detail:

  [>>]Hostid=hostid1
        Method=meth
        Method limit=methlim
        [VTAMname=name]
        [Active LMU path=acsid]
        [LMU path(s) defined:
          acsid1   acsid2   acsid3   acsid4
          acsid5   acsid6   acsid7   acsid8
          .        .        .        .
          .        .        .        .
          .        .        .        acsidn ]
```

Explanation: The current settings for the defined HSC HOSTid(s) are displayed. ">>" is displayed to indicate the parameters are for the executing host. If defined, the VTAMpath name is displayed. If LMUpath ACSids have been defined and the current method is LMU, the active LMUpath ACSid is displayed. If LMUpath ACSids have been defined, a list is displayed of ACSids in the order to be searched.

System Action: None.

User Response: None.

```
SLS1602I

  Method CCCC invalid; no CCCCpath defined
```

Explanation: The communications method specified does not have corresponding paths defined.

System Action: The command is rejected.

User Response: Re-enter the command specifying a method having path(s) previously defined or specifying the needed path(s).

```
SLS1603I

  Cannot delete all CCCC path definitions while current method
  is CCCC
```

Explanation: It is invalid to delete all path definitions for the currently active communications method.

System Action: The command is rejected.

User Response: Re-enter the command specifying **inactive** path definitions for the current communications method, or first enter a command specifying a new communications method.

```
SLS1604I

  Cannot {delete|modify} active CCCC path definition
```

Explanation: It is invalid to delete or modify a path definition which is currently active.

System Action: The command is rejected.

User Response: Deactivate or change the path or change the communications method. Then re-enter the command.

SLS1605I

```
No matching CCCC path definition to delete
```

Explanation: A path definition specified with the DEL parameter is not currently defined.

System Action: The command is rejected.

User Response: Re-enter the command with the correct path definition(s) desired.

SLS1606I

```
Too many CCCC path definitions specified
```

Explanation: The number of path definitions has exceeded the maximum number of definitions allowed.

System Action: The command is rejected.

User Response: Delete obsolete or unwanted definitions; then re-enter the command with the correct path definition(s) desired.

SLS1607I

```
MONITOR STATUS:
```

```
CCCCCCCC1 - CCCCCCCC2
```

Explanation: This message is issued in response to the Display MONitor command. *CCCCCCCC1* defines the console. *CCCCCCCC2* specifies the type of monitoring in effect.

System Action: None.

User Response: None.

SLS1608I

```
Undefined CCCCCCCC specified: XXXXXXXX
```

Explanation: A parameter value (*CCCCCCCC*) has not been previously defined. *XXXXXXXX* identifies what was specified.

System Action: The command is rejected.

User Response: Re-enter the command with the correct parameter.

SLS1609I

```
No valid parameters specified for CCCCCCCC command
```

Explanation: An attempt was made to enter the *CCCCCCCC* command, but the command was entered without any valid parameters. Previous messages will describe the errors.

System Action: The command is rejected.

User Response: Re-enter the command with the valid parameters.

SLS1610I

Method *CCCC* is higher than limit defined for host *CCCCCCCC*

Explanation: The communications method specified is higher in the method hierarchy than the limit defined for the specified host, which may be the host executing the command or the host specified by the command.

System Action: The command completes, but the method becomes the same as the method limit for the specified host, if possible. The result may be no actual method switch.

User Response: None. Or modify the method limit for the specified host, and re-enter the command.

SLS1611I

Invalid RETRY function - *CCCCCCCC*

Explanation: An invalid function (*CCCCCCCC*) was specified on the RETry command.

System Action: RETry command processing terminates.

User Response: Refer to the appropriate ELS guide, or issue the HSC Display CMd RETry command to determine the RETry functions that are currently supported.

SLS1613I

Data set *CCCCCC1* {ENABLED|DISABLED}

Explanation: *CCCCCC1* is a data set name. A CDs Enable or Disable command was issued and completed.

System Action: The HSC resumes normal activity.

User Response: None.

SLS1614I

Auto Enable {ENABLED|DISABLED}

Explanation: Auto Enable was issued and is either enabled or disabled.

System Action: The HSC resumes normal activity.

User Response: None.

SLS1615I

Journal {ABEND|Continue} option enabled

Explanation: The Journal FULL=Abend or Continue command was issued and successfully completed.

System Action: The HSC resumes normal activity.

User Response: None.

SLS1616I

    Disable request rejected; last active CDS cannot be disabled

Explanation: A disable request was made against the last active CDS.

System Action: The request fails. The system does not allow the action. The HSC must have at least one copy of the CDS active, or it comes down.

User Response: Issue the HSC Display CDS operator command to verify the condition of all copies of the CDS.

SLS1617E

    Request failed; data set *CCCCCC1* not known to this host

Explanation: *CCCCCC1* is a data set name. A CDs Disable request was issued and the data set entered was not known to this host.

System Action: The HSC resumes normal activity.

User Response: Only those data sets currently known to the HSC may be disabled. Use the Display CDS command to list the current CDS definitions and then reissue the CDs Disable command.

SLS1619I

    {ENABLE|DISABLE|EXPAND} request failed

Explanation: An error occurred while processing a CDs Enable, Disable, or EXpand request.

System Action: The HSC resumes normal activity.

User Response: Check other HSC error messages associated with the request.

SLS1620I

    Enable request validation for data set *CCCCCC1* failed; *CCCCCC2*

Explanation: *CCCCCC1* is the data set name. *CCCCCC2* will be one of the following:

- Allocation failed
- Deallocation failed
- Data set must be allocated
- Open failed
- Close failed
- Read failed
- Not a valid CDS
- Data set is in error
- Invalid flag

In response to Enable *CCCCCC1*, the system attempts to validate the supplied data set name by allocating, opening, reading, and verifying the data set. The system then attempts to close and deallocate the data set. If these tests are successful, the CDS is enabled and/or a switch is performed. Otherwise, this message is issued to indicate what test failed.

System Action: The HSC resumes normal operation.

User Response: Call StorageTek Software Support if the CDS error and its resolution cannot be determined from preceding MSP or HSC console messages.

SLS1621I

To enable a new CDS data set, only one CDS copy can be
inactive; currently multiple copies inactive

Explanation: An attempt to activate a new CDS data set with a CDs Enable
command has failed because more than one copy of the CDS is currently inactive.

System Action: The HSC continues operation with the current CDS definitions.

User Response: Use the Display CDS command to display the current CDS data set
definitions. Use the CDs Enable command to activate one of the known CDS copies,
then reissue the original CDs Enable command to activate the new CDS data set.

SLS1622I

Down-level host *CCC1* found active during attempt to *CCCCCCCC2*

Explanation: An attempt to issue a CDs command with an HSC 5.0 feature has
detected a down-level HSC system active on host *CCC1*. *CCCCCCCC2* is one of the
the following HSC 5.0 features:

Enable new CDS data set
Expand CDS

System Action: The HSC continues operation with the current CDS definitions.

User Response: Stop the down-level HSC on host *CCC1* (and any other down-level
HSCs on other hosts) and reissue the CDs command.

SLS1623I

CDS *CCCC...CCCC* inactive; all CDS copies must be enabled to
expand CDS

Explanation: An attempt to expand the CDS with a CDs EXpand command detected
that a copy of the CDS, data set *CCCC...CCCC*, was inactive. To expand the CDS, all
CDS copies must be active (enabled).

System Action: The HSC continues operation with the current CDS definitions.

User Response: Use the CDs Enable command to make CDS *CCCC...CCCC* active.
Then reissue the CDs EXpand command.

SLS1624I

Attempt to *CCCCCCCC* failed; could not read DHB

Explanation: An attempt to perform an HSC 5.0 feature with the CDs command has
failed while reading the active CDS DHB record. *CCCCCCCC* is one of the following
HSC 5.0 features:

Enable new CDS data set
Expand CDS

System Action: The HSC continues operation with the current CDS definitions.

User Response: Call StorageTek Software Support if the CDS read error and its
resolution cannot be determined from previous IBM or HSC console messages.

SLS1625I

CCCC..CCC1 obsolete; use *CCCC..CCC2*

Explanation: The requested function *CCCC..CCC1* is no longer supported. Use the specified alternative *CCCC..CCC2*. Below are a list of requested functions with the specified alternatives:

LOad SLSDDQR	Display CDS
LOad SLSLDQR	Display Requests
LOad SLSMDQR	Display DRives

System Action: None.

User Response: None.

SLS1626I

CCCCCCCC Parms installed from data set *DDDDDDDD*

Explanation: In response to a LMUPDEF, MGMTDEF, TREQDEF, UNITDEF, SCRPDEF, LKEYDEF, VOLDEF, or MVCDEF command, the HSC has successfully loaded the parameter statements contained in the named data set. The parameters are in use by the HSC as soon as this message is issued.

CCCCCCCC	Type of parameters being installed (LMUPDEF, MGMTDEF, TREQDEF, SCRPDEF, UNITDEF, VOLDEF, MVCDEF, LKEYDEF)
DDDDDDDD	data set name

System Action: The HSC resumes normal operation.

User Response: None.

SLS1627I

CCCCCCCC Parms not installed, Reason code *XXXX*

Explanation: In response to a LMUPDEF, MGMTDEF, TREQDEF, UNITDEF, VOLDEF, SCRPDEF, LKEYDEF, or MVCDEF command, the HSC did not successfully load the parameter statements contained in the named data set.

CCCCCCCC	Type of parameters being installed (LMUPDEF, MGMTDEF, TREQDEF, SCRPDEF, UNITDEF, VOLDEF, MVCDEF, LKEYDEF)
XXXX	Hexadecimal reason code

The following reason codes and definitions indicate why the parameters were not loaded:

- 0008 - A syntax error occurred on at least one statement
- 0009 - An inconsistency was found between two statements
- 000A - An unsupported parameter was specified on a JES3 system
- 000C - An I/O error occurred reading the data set
- 0010 - The HSC was not able to allocate the data set
- 0014 - The HSC was not able to open the data set
- 0018 - Sufficient memory was not available to process the data set
- 001C - Excessive number of errors

In each case, this message will be preceded by message SLS1628I or SLS0002I giving details of the error(s) encountered.

System Action: The HSC resumes normal operation.

User Response: Correct the problem with the parameter data set, and retry the command.

SLS1628I

CCCCCCCC: Record *DDDDDDDD* ... *EEEE*

Explanation: While processing a LMUPDEF, MGMTDEF, TREQDEF, UNITDEF, VOLDEF, MVCDEF, LKEYDEF, SLSMERGE, OR SCRPDEF command or control statement, the HSC has encountered an error.

CCCCCCCC	Type of command or control statement (LMUPDEF, MGMTDEF, TREQDEF, VOLDEF, UNITDEF, MVCDEF, LKEYDEF, SLSMERGE, SCRPDEF)
DDDDDDDD	Decimal number of the record within the file
EEEE	System-generated number used for identifying the following line of this multiple-line message

The record number identifies the statement in error. A record number of zero (0) indicates a problem with the data set or an error involving more than one record.

This message is a two line message; the second line indicates the nature of the error. Second-line text will be one of the following:

- ACS - unknown ACSid

  The ACSid specified with the ACS keyword is unknown to HSC.

- ACSlist - duplicate ACSids

  The list of ACSids specified with the ACSlist keyword contains duplicate values.

- ACSlist - maximum number of ACSids exceeded

  The number of ACSids specified with the ACSlist keyword exceeds the maximum number allowed.

- ACSlist - unknown ACSid

  One or more of the ACSids specified with the ACSlist keyword is unknown to HSC.

- ARCHAge - Must be between 1 and 999 days

  The ARCHAge parameter value exceeds these limits.

- ARCHPol - Number of STORCLAS names exceeds maximum

  Depending upon the CDS level for VTCS, the number of storage class names is either limited to 2 or 4.

- ARCHPol - STORclas name is invalid

  The storage class name does not start with an alphabetic character.

- *CCCCCCCC* value out of range; must be *D-DDD*

  The value specified for an MVCPOOL parameter was not within the accepted range.

  CCCCCCCC = MVCFREE, MAXMVC, THRESH, or START parameter
  D-DDD= acceptable range for parameter value

- Comment unclosed at end of file
- End of file found before end of last statement
- CONSRC - invalid specification

  The storage class name does not start with an alphabetic character.

- CONSRC - MIGpol does not specify > 1 STORclas name

The MIGpol parameter is also required and must contain more than two unique names.

- CONSRC - No matching STORclas name on MIGpol parameter

  The storage class name specified must match to one of the names upon the MIGpol parameter.

- CONSRC - VSM(ADVMGMT) FEATures not active
- CONTGT - invalid specification

  The storage class name does not start with an alphabetic character.

- CONTGT - VSM(ADVMGMT) FEATures not active
- DELSCR - invalid specification

  The value specified with the DELSCR keyword was not NO or YES.

- Drives specified in list or range are not the same type of device
- DUPlex - invalid specification

  The value specified with the DUPlex keyword was not YES or NO.

- Duplicate UNITATTR ADDRess value encountered
- Error allocating data set; Code *XXXX-XXXX*

  XXXX-XXXX = DYNALLOC error and reason codes

- Error opening data set; Completion code *XXX-XX*

  XXX-XX = OPEN completion code and reason code

- Error near column *NNN:TTTTTTTT*

  NNN = column number where error was detected
  TTTTTTTT = error text

- Error on *CCCCCCCC* {parameter|list|range}: *TTTTTTTT*

  CCCCCCCC= parameter, list, or range that is in error
  TTTTTTTT= error text (listed below)

  Possible error text (*TTTTTTTT*) for the above two second-line messages includes:

  - Cleaning Media invalid as media value
  - Co-requisite parameter missing
  - Invalid length of value
  - Invalid value
  - Mandatory parameter missing
  - Mutually exclusive parameters found
  - Positional error
  - Required value not found
  - Syntax error
  - Unknown keyword
  - Value supplied when none allowed

- File processing terminated due to excessive number of errors
- FUNCTION - Unrecognized value
- I/O error reading data set:*CCCCCCCC*

  CCCCCCCC = SYNADAF produced error message

- IMMEDmig - invalid specification

  The value specified with the IMMEDmig keyword was not NO, KEEP, or DELETE.

- Insufficient memory
- LKEYINFO: Supplied information is invalid

  The information supplied on the LKEYINFO statement is invalid.

- LMUADDR IP addr invalid; *CCCCCCCC*

  An LMUADDR parameter appears to be an IP address but does not conform to either an IPv4 or IPv6 address format.

- LMUADDR unknown hostname; *CCCCCCCC*

  An LMUADDR parameter is not a valid IP address and fails to resolve as a valid hostname.

- LMUADDR no IPv6 support; *CCCCCCCC*

  An LMUADDR parameter specifies an IPv6 address and the host does not support the IPv6 protocol.

- LMUADDR list contains more than maximum allowed items

  A maximum of four (4) hostnames or IP addresses may be specified for a single LMUADDR keyword.

- LMUADDR unable to initialize the EZASMI API

  The TCP/IP support modules are not available to allow the socket communication interface to initialize.

- LMUPATH duplicate ACS ID found

  An ACS ID has been encountered that was specified on a previous LMUPATH statement.

- LMUPATH Invalid ACS ID found

  The ACS ID specified has not been defined to HSC.

- LMUPDEF: Does not contain any LMUPATH statements

  This text will be issued if while reading the LMUPDEF file a LMUPATH statement cannot be found on any line. If an LMUPATH statement is in the file then the previous comment statements should be reviewed. The comment must be within a comment block, which starts with a slash asterisk and ends with an asterisk slash, and columns 73-80 are ignored.

- MAXCLEAN incompatible with implied/default MEDIA

  The MEDia keyword was not specified, and the implied or default media type is not STD, DD3D, STK1U, or STK2W (the only media types compatible with MAXclean). Either remove the MAXclean keyword or specify a MEDia keyword with a compatible media value.

- MAXCLEAN incompatible with MEDIA(*XXXXXXXX*)

  XXXXXXXX is the value specified for the MEDia keyword. STD, DD3D, STK1U, and STK2W (or one of their synonyms or abbreviations) are the only media values compatible with MAXclean.

- MAXCLEAN valid only for Cleaning Cartridge Volsers (*XXXXXX*)

  XXXXXX represents the format of a Cleaning Cartridge Volser composed of the HSC Cleaner Prefix followed by *xxx*.

- MAXCLEAN value not within allowable range

  The MAXclean keyword was specified, but the value is not within the allowable range of 1-32767

- MAXVtvsz exceeds that supported by CDS - DEFAULTED

  A value was specified, but the VTCS system is not configured to support it. The value is changed to the default of 400.

- MAXVtvsz - invalid specification

  The value specified with the MAXVtvsz keyword was not 400 or 800.

- MEDIA - cleaner cartridge media invalid

  Cleaner cartridge media types are invalid on the STORclas statement.

- MEDIA - duplicate types in list

  Duplicate media types were found on the STORclas statement.

- MEDIA - too many types in list

  The number of media types cannot exceed 20 on the STORclas statement.

- MGMTCLAS is not valid with this FUNCTION

- MIGpol - Number of STORclas names exceeds maximum

  Depending upon the CDS level for VTCS, the number of storage class names is either limited to 2 or 4.

- MIGpol - STORclas name is invalid

  The storage class name does not start with an alphabetic character.

- MIGpol - VSM(ADVMGMT) FEATures not active

- MVCPOOL Names ALL and DEFAULTPOOL not allowed

- MVCPOOL values conflict with those on Record *DDDDDDDD*

  An MVCPOOL statement has a different MVCFREE, MAXMVC, THRESH, or START value than that on a previous MVCPOOL statement with the same name.

  > *DDDDDDDD* = record number of previous MVCPOOL statement

- MVCPOOL/STORCLAS not valid with FUNCTION(SPECIFIC)

- MVCPOOL/STORCLAS/PREVVTSS not valid with FUNCTION(SCRATCH)

- NAME - invalid specification

  The value specified with the NAME keyword exceeds 8 characters or contains invalid characters. The value specified for NAME must begin with A-Z and can contain only A-Z, 0-9, and $, #, @.

- Parameter unsupported on JES3

- REPlicat - invalid specification

  The value specified with the REPlicat keyword was not NO or YES.

- REPlicat(YES) - VSM(ADVMGMT) FEATures not active

- RESTIME - invalid specification

  The RESTIME must have a value between 1 and 9999.

- RESTIME - Mutually exclusive with IMMEDMIG(DELETE)

  You cannot specify that a VTV should be retained resident within the VTSS and also migrated and deleted immediately.

- RESTIME - VSM(ADVMGMT) FEATures not active

- Statement is too long

- STORclas - Migrate option invalid specification

  The value specified for the MIGRATE parameter is invalid.

- STORclas - VSM(ADVMGMT) FEATures not active

- Text indicating that unit, model, media type and rectech are invalid or incompatible

- Unrecognized statement

- Volser specification conflicts with that on Record *DDDDDDDD*

  The Volser specification on an MVCPOOL statement overlaps with the Volsers defined on a previous MVCPOOL statement having a different name.

  DDDDDDDD = record number of previous MVCPOOL statement

- VTSSSEL - VSM(ADVMGMT) FEATures not ACTIVE

- VTVPAGE - invalid specification

  The value specified with the VTVPage keyword was not STANDard or LARGE.

- VTVPAGE value not supported by CDS - Ignored

  The parameter value of LARGE is not supported by the level of CDS. The request is ignored and the value of STANDard is assumed.

- VTVPAGE(STANDard) is invalid with MAXVtvsz > 800 - defaulting to LARGE

  The parameter value of STANDard is not valid with MAXVtvsz > 800. The request is ignored and the value of LARGE is used.

- Wild card(s) not allowed in MVCPOOL

  Wild card(s) are not permitted in Volser specifications on an MVCPOOL statement.

See message SLS1973I for a description of any text not listed here.

System Action: The HSC continues to process the data set unless the record number displayed is zero, or unless there have been 50 errors encountered in the file. For those two cases, processing of the data set is terminated.

User Response: Correct the problem with the parameter data set and re-issue the command.

SLS1629I

CCCCCCCC: *DDDDDDDD* `does not contain any stmts to process`

Explanation:

CCCCCCCC	Type of command or control statement (LMUPDEF, MGMTDEF, TREQDEF, SCRPDEF, LKEYDEF, VOLDEF, UNITDEF)
DDDDDDDD	Data set name

In response to a LMUPDEF, MGMTDEF, TREQDEF, UNITDEF, SCRPDEF, LKEYDEF, or VOLDEF command, the HSC has not found any statements of the appropriate type in the named data set. The appropriate statements by command are:

- LMUPDEF - LMUPATH
- MGMTDEF - MGMTCLAS
- TREQDEF - TAPEREQ
- VOLDEF - VOLATTR
- UNITDEF - UNITATTR
- SCRPDEF - SCRPOOL
- LKEYDEF - LKEYINFO

System Action: The HSC resumes normal operation.

User Response: Correct the problem with the parameter data set, and retry the command.

SLS1630I

`CCCCCCCC parameters are not loaded`

Explanation:

CCCCCCCC	Type of command or control statement (LMUPDEF, MGMTDEF, TREQDEF, SCRPDEF, LKEYDEF, VOLDEF, UNITDEF)

In response to a Display LMUPDEF, Display MGMTDEF, Display SCRPDEF, Display TREQDEF, Display UNITDEF, Display LKEYDEF, or Display VOLDEF command, the HSC has found that no parameters of that type have been loaded.

System Action: The HSC resumes normal operation.

User Response: None.

SLS1631I

CCCCCCCC parameter status:

Explanation:

CCCCCCCC	Type of command or control statement (LMUPDEF, MGMTDEF, TREQDEF, SCRPDEF, LKEYDEF, VOLDEF, UNITDEF)

In response to a Display MGMTDEF, Display TREQDEF, Display UNITDEF, Display LMUPDEF, Display LKEYDEF, Display SCRPDEF, or Display VOLDEF command, the HSC displays information about the requested parameters. This message is the first of a three or four line display. The other lines displayed are:

■ LOADED FROM *DDDDDDDD*

Displays the data set (including member name, if appropriate) from which the parameters were loaded.

■ TITLE : *CCCCCCCC*

Displays the title (from an OPTIONS statement) which was in the data set from which the parameters were loaded. If the parameters did not contain a TITLE, this line of the display is omitted.

■ LOADED ON *YYYY-MM-DD* AT *HH:MM:SS*

Displays the date and time the parameters were loaded by the HSC.

System Action: The HSC resumes normal operation.

User Response: None.

SLS1632I

MODIFY command cancelled - a non-610 HOST active.

Explanation: MODIFY CONFIG was entered, but one or more HOST(s) is at a level lower than HSC610.

System Action: None.

User Response: Bring the non-610 HOST down and enter the MODIFY CONFIG command again.

SLS1633I

SCRPDEF parameters not installed from *DDDDDDDD*

Explanation: In response to a SCRPDEF command, the HSC has either found no SCRPOOL statements or at least one invalid SCRPOOL statement in the data set named *DDDDDDDD*.

System Action: The HSC does not replace the previous HSC scratch subpool settings.

User Response: Correct the problem with the parameter data set and retry the command.

SLS1634I

    MODIFY command is cancelled - VTCS DR Test is active.

Explanation: A MODIFY CONFIG command entered with a VTCS DR Test active. The command is not executed.

System Action: None.

User Response: Wait until the VTCS DR Test completes before reentering the command.

SLS1635D

    To allow RESET to proceed; Reply Y to continue or N to cancel.

Explanation: Before a CONFIG RESET is allowed to continue, the Operator is asked to reply to a message to make sure the command wasn't entered accidentally.

System Action: None.

User Response: Respond Y to allow RESET to continue, otherwise reply N to cancel the RESET option.

SLS1636D

    To allow DELETE ACS to proceed; Reply Y to continue or N to
    cancel

Explanation: Before an ACS can be deleted the Operator must reply to this message to make sure the command was not entered accidentally.

System Action: None.

User Response: Respond Y to allow DELETE ACS to continue, otherwise reply N to cancel.

SLS1637I

    Verify the ACS is *CCCCCCCC* for the *CCCCCCCC* ACS command

Explanation: Verify the ACS is active (connected) for the UPDATE command and offline (disconnected) for the DELETE command.

System Action: The F CONFIG UPDATE/DELETE ACSid command is rejected.

User Response: Re-enter the command after the ACS is in the correct state.

SLS1638I

    ACS MODIFY command cancelled; Switch in progress for ACS AA

Explanation: A switch is in progress for ACS AA which prevents the MODIFY CONFIG function to continue.

System Action: The MODIFY CONFIG command is cancelled.

User Response: Re-enter the command after the switch has completed.

SLS1650E

ACS *AA*: Dual LMU {is|is not} configured; Master Is *y*, Standby
is not ready

Explanation: The standby LMU is not ready. This may be a temporary condition due to an operator-induced switchover action.

y will be the master LMU ID "A" or "B", but could be "0" due to an LMU error.

System Action: Processing continues using the master LMU.

User Response: If the standby LMU is not ready due to an operator-initiated switchover action, then no response is necessary.

If the standby LMU is not ready due to an apparent failure, then report this incident to StorageTek Hardware Support.

SLS1651I

ACS *AA*: Dual LMU is configured; Master is *y*, Standby is ready

Explanation: This message indicates which LMU is the master LMU and the status of the standby LMU. Even though the standby LMU is ready, at least one station must have a STANDBY status for a fully automated switchover to occur.

AA is the ACSid number

y will be the Master LMU ID "A" or "B", but could be "0" due to an LMU error.

System Action: Processing continues with the master LMU.

User Response: None.

SLS1652I

ACS *AA*: Switch aborted, *C...C* not standby station

Explanation: Station *C...C* was a standby station when the SWitch command was issued, but it is no longer a standby station. Presumably an automatic switchover has occurred.

System Action: SWitch command processing is terminated.

User Response: If SLS1650E or SLS1651I have been issued, then no response is necessary. If a hardware error is suspected, report this incident to StorageTek Hardware Support.

SLS1653D

ACS *AA*: *NN* {CAP|CAPs} active; confirm switch to standby LMU
(Y/N)

Explanation: This message indicates the number of CAPs that are active in the ACS and allows the operator to terminate the switchover process.

NN is the number of CAPs active in the ACS.

System Action: The HSC waits for an answer before either proceeding with the switchover (Y) or terminating SWitch command processing (N).

User Response: Make sure all CAP doors are closed securely prior to responding Y to this message, or else reply N to abort the switchover.

SLS1654I

ACS *AA*: Switch terminated due to operator response

Explanation: This message confirms that switch processing was cancelled due to operator response.

System Action: SWitch command processing terminates.

User Response: None.

SLS1655I

ACS *AA*, Station *C...C*: Switch uncertain, standby LMU *CCCCCC* error

Explanation: The HSC sent the SWitch command to the standby LMU but did not get a validated response due to the error that occurred.

CCCCCC will be one of the following errors:

TIMEOUT, ACK-1, ACK-2, RESPONSE, READ-1, READ-2, NOISE, or EDIT-1

System Action: The switchover may or may not occur.

User Response: Wait 1 minute. If message SLS1650E or SLS1651I is not issued, enter the SWitch command again. Report this error to StorageTek Hardware Support.

SLS1656E

ACS *AA*: Switch initiated

Explanation: The SWitch command has been accepted by the master LMU.

System Action: The master LMU should reIPL, and the standby LMU should take over as the master LMU.

User Response: If SLS1650E, SLS1651I, or SLS1667I is issued no response is necessary. If SLS1650E, SLS1651I, SLS1667I is not issued, a problem exists. Try the SWitch command again. If the command fails, the switch may be generated by manually reIPLing the master LMU. Report failures to StorageTek Hardware Support.

SLS1657I

ACS *AA*: Switch rejected, *CCC...CCC*

Explanation: The standby LMU tried to tell the master LMU to reIPL, but an error caused the communication to be unsuccessful.

CCC...CCC will be one of the following reasons:

- Not "Dual LMU"
- Not standby Station
- LAN link down
- NAK from Master LMU
- SWITCH already active
- Master did not respond
- Both active and standby connections required
- Unknown error

System Action: SWitch command processing is terminated.

User Response: If SLS1650E, SLS1651I, SLS1666E, or SLS1667I have been issued, no response is necessary. Otherwise, try the SWitch command again, and report the failure to StorageTek Hardware Support. The switch may be generated by manually IPLing the Master LMU or switch using the SL Console of the RE library.

SLS1658E

ACS *AA*: *CCCCCCC* station *C...C* connected to LMU *y* as *ZZZZZZ*

Explanation: Logical inconsistency detected:

CCCCCCC	station is either online or standby depending on connecting LMU status
C...C	is the station address.
y	is the LMU ID, "A" or "B"
ZZZZZZ	is the LMU status, master or standby

System Action: HSC attempts to continue.

User Response: Verify that the stations are connected to the correct ACS, then vary the ACS offline and then back online. If problem persists, notify StorageTek Hardware Support.

SLS1659E

ACS *AA*: *CCCCCCC* station *C...C MMM...MMM*

Explanation: Logical inconsistency detected:

CCCCCCC station is either online or standby depending on the connecting LMU status *C...C* is the station address. *MMM...MMM* will be one of the following:

- not a Dual LMU station
- invalid Dual LMU ident

System Action: HSC attempts to continue.

User Response: Verify that the stations are connected to the correct ACS, then vary the ACS offline and then back online. If problem persists, notify StorageTek Hardware Support.

SLS1660E

ACS *AA*: Master LMU *W* level *XX*, Standby LMU *Y* level *ZZ*

Explanation: LMU microcode inconsistency detected.

Master and Standby LMUs have different microcode.

W	is the Master LMU ID, "A" or "B"
XX	is the Master LMU compatibility level
Y	is the Standby LMU ID, "A" or "B"
ZZ	is the Standby LMU compatibility level

System Action: HSC will continue.

User Response: Report this to StorageTek Hardware Support. Install the same LMU microcode level in both LMUs of the dual LMU configuration. The HSC can run with different compatibility levels on the two LMUs, but this is not the recommended procedure and should be corrected. Varying all standby LMU stations offline will stop the occasional reporting of this message but will impede automatic switchovers.

SLS1661I

ACS *AA*, Station *XXXX*: LMU driver has been restarted

Explanation: The LMU driver for ACS *AA* and station *XXXX* has been restarted after a previous abend. A prior message, SLS0680I, describes the abend.

System Action: The station driver sends requests to and receives responses from the LMU.

User Response: No immediate action is required, but the previous abend of the LMU driver should be reported to StorageTek Software Support.

SLS1662I

LMU driver monitor task has been restarted

Explanation: The LMU driver monitor task is restarting after a previous abend. A prior message, SLS0680I, describes the abend.

System Action: The station driver monitor task resumes responsibility for starting, monitoring, and restarting LMU driver tasks.

User Response: No immediate action is required, but the previous abend of the LMU driver monitor task should be reported to StorageTek Software Support.

SLS1663I

ACS *AA*, Station *C...C*: Driver has abended

Explanation: The LMU driver for the named ACS and station has abended and has not been restarted. SLS0680I describes the abend.

System Action: The monitor task will restart the LMU driver unless the monitor task has abended, and the operating system does not permit the monitor task to be restarted.

User Response: No immediate action is required, but the previous abend of the LMU driver should be reported to StorageTek Software Support.

SLS1664A

```
ACS AA is disconnected
```

Explanation: The HSC has determined that no LMU drivers are currently working for the named ACS. The HSC cannot automate cartridge motion requests with the current configuration.

System Action: HSC issues this message about once every five minutes and DOMs it after about 30 seconds even if the condition has not been resolved. This is a periodic reminder that an ACS is disconnected.

User Response: If the HSC is required to automate mounts and dismounts to the affected ACS, the operator should do one of the following: (1) Vary a station online, (2) Force a Dual LMU switch to activate a standby station, or (3) Restart the HSC.

SLS1665E

```
ACS AA, Station XXXX: Driver CCC...CCC
```

Explanation: ACS *AA*, Station *XXXX*, has experienced one of the following conditions (*CCC...CCC*):

attach failed

> means that three attempts in a row failed to result in the driver task being established.

inoperable, maximum attach attempts failed

> means that 33 total attempts to attach this driver have been exhausted.

System Action:

attach failed

> The first time this message is issued for a station, SLSLDMON will abend to cause a dump to be taken. Then it will try to attach the driver again until the global attach limit is exhausted. On subsequent issuances of this message for a single station, no additional dumps will be taken.

inoperable, maximum attach attempts failed

> SLSLDMON will not try to attach this driver any more. The HSC should be restarted to re-enable this station.

User Response:

attach failed

> No immediate action is required, but the previous abend of the LMU driver and the subsequent abend of SLSLDMON should be reported to StorageTek Software Support.

inoperable, maximum attached attempts failed

> Report this occurrence to StorageTek Software Support and schedule a restart of the HSC at a convenient point in time.

SLS1666E

```
ACS AA: RE LIBID C1 {is/is not} configured; Active y {is|not}
ready, Standby not ready
```

Explanation: The standby library (*C1*) Library Controller (LC) is not ready. This may be a temporary condition due to an operator induced switchover action.

AA	ACSid: "00"-"FF"
C1	Library ID: "1"-"9" or "A"-"Z"
y	Active LC ID "A" or "B", but could be "0" due to an LC error.

System Action: Processing continues using the active LC.

User Response: If the standby LC is not ready due to an operator initiated switchover action, then no response is necessary.

If the standby LC is not ready due to an apparent failure, then report this incident to StorageTek Hardware Support.

SLS1667I

```
ACS AA: RE LIBID C1 is configured; Active is y, Standby is
ready
```

Explanation: This message indicates which Library Controller (LC) is the active LC and the status of the standby LC for a Library ID. Even though the standby is ready, at least one port (2A or 2B) must have a STANDBY status for a fully automated switchover to occur.

AA	ACSid: "00"-"FF"
C1	Library ID: "1"-"9" or "A"-"Z"
y	Active LC ID "A" or "B", but could be "0" due to an LC error.

System Action: Processing continues with the active LC.

User Response: None.

SLS1700I

```
DHB eyecatcher bad in CCC...CCC
```

Explanation: A DHB record (block zero of the CDS) was passed for validation but the program could not find the eyecatcher DHB.

System Action: This copy of the CDS will be disabled. If it is the last CDS copy, the HSC terminates processing.

User Response: Check the input CDS(s) to ensure you are running with the correct one(s). Check to see if you are attempting to run the HSC on a non-LIBGENed host. Also, check to see if they have not been corrupted and written over. If you are using the proper CDS copies and they have not been corrupted, contact StorageTek Software Support.

SLS1702I

Self correcting out-of-sync CDS block *blk-id*

Explanation: A corrupted CDS block (*blk-id*) has been found when comparing the Primary and Secondary CDS copies.

System Action: The correct copy replaces the incorrect copy.

User Response: None.

SLS1703I

CCC...CCC is being copied to *CCC...CCC*

Explanation: A CDS data set is being enabled by copying the records from an existing CDS. This could be the result of a CDs Enable command issued on this host, or this host has recognized a new CDS that was enabled by another host. SLS1704I should follow this message when the copy process is finished. SLS0715I should follow when all active hosts in a multi-host environment have completed synchronization.

System Action: The CDS reserve is held at this time and will be released when the copy completes. HSC activity waits until all hosts synchronize to the new CDS configuration.

Note – If after about 20 seconds, all hosts have not complied, the configuration reverts back to what it was before the copy, i.e., an enabled CDS will be disabled, or a disabled CDS may be re-enabled.

User Response: None.

SLS1704I

CDS copy complete for *CCC...CCC*

Explanation: Message SLS1703I should precede SLS1704I. A CDS synchronization has occurred for the named CDS and is now complete. The newly enabled CDS data set has had its data refreshed from an active CDS.

System Action: The HSC resumes normal activity using the new CDS allocations.

User Response: None.

SLS1705E

All Control Data Set allocations failed, HSC cannot initialize

Explanation: Dynamic allocation for ALL data sets specified in the PARMLIB CDSDEF (or RECDEF if this is Reconfig) entry have failed.

System Action: The HSC cannot initialize without at least one copy of the CDS.

User Response: The error may have been caused by a missing or invalid PARMLIB entry. Check the MSP SYSLOG/SCP CONSLOG to determine the dynamic allocation failure(s) from message SLS1706E, if present. Correct the problem, and re-start the HSC.

SLS1706E

```
Allocation failed for CCC...CCC on volume volser, reason code
XXXX, information code XXXX
```

Explanation: Dynamic Allocation failed for the specified data set on the specified volume. If no volume was specified, it will be blank or asterisks.

System Action: If this is during startup, HSC Initialization continues, but the data set is not allocated. If this is from a CDs Enable command, the HSC continues operation with the current CDS definitions.

The reason and information codes are from SVC99 (Dynamic allocation). One of the most common reason codes is 17xx indicating that the named CDS could not be found. Refer to the IBM SVC99 dynamic allocation documentation for further details and reason code definitions.

If the reason code is not 17xx, the information code may contain a key that provides more specific information about the cause of the error. Use the following keys to determine which parameter is in error:

Key	Field
01	DDname
02	Dsn
04	Status
07	Unconditional Unallocation
10	Volser
15	Unit
55	Return DDname

User Response: Determine the cause of the dynamic allocation failures from the error messages presented. If this is during startup, correct the problem in PARMLIB or JCL and restart the HSC. If this is from a CDs Enable command, correct the specification of the DSn parameter, or for uncataloged data sets specify the NEWVol and possibly the NEWUnit parameters.

SLS1708I

```
CCCCCCCC failed - RC=XXXXXXXX
```

Explanation: A command to Enable or Disable a copy of the CDS has failed or a module name of a failed program is displayed along with the return codes. Therefore, CCCCCCCC can be either Enable, Disable, or a module name.

System Action: On an Enable/Disable command, the action does not occur. If a module name is displayed, the HSC is failing.

User Response: Determine the cause of the problem from the return codes. Correct the problem, and rerun.

SLS1709I

```
Attach failed for CCCCCCCC, RC=XX
```

Explanation: An unsuccessful attempt was made to attach a database server task.

XX is the return code from the ATTACH macro as documented in the MSP SPL: System Macros

System Action: The I/O routines for the CDS are not available; the HSC cannot initialize.

User Response: Determine why the attach failed, and correct the problem. The HSC must be restarted.

If you are unable to correct the problem, save all information and contact StorageTek Software Support.

SLS1710E

```
Database switch failed
```

Explanation: During CDS recovery, the enabling of an alternate copy failed. This may be due to a dynamic allocation, open, or copying error.

System Action: If a viable primary copy is available, processing continues.

User Response: Determine the availability of alternate CDS copies, or any reason for an open failure, or an I/O error on the copy. If correctable, issue a CDs Enable command to bring the alternate back online.

SLS1711I

```
Database services unavailable
```

Explanation: A catastrophic internal failure has occurred, and HSC CDS services cannot continue.

System Action: The HSC terminates.

User Response: Call StorageTek Software and/or Hardware Support. Save dumps to aid in the diagnosis of the problem.

SLS1712I

```
Hostid CCCCCCCC not found in CCC...CCC
```

Explanation: The specified host identifier does not match any host identifier found in the copy of the control data set being scanned. Possible user error attempting to run with the wrong copy of the CDS or the CDS has been corrupted and/or destroyed.

System Action: If it is the last CDS copy, the HSC terminates processing.

User Response: Check the input CDS(s) to ensure you are running with the correct one(s). Check to see if you are attempting to run the HSC on a non-LIBGENed host. Also, check to see if they have not been corrupted and written over. If you are using the proper CDS copies and they have not been corrupted, contact StorageTek Software Support.

SLS1713I

CDS *CCC...CCC* disabled

Explanation: CDS *CCC...CCC* has been disabled.

System Action: The CDS is unallocated from the HSC.

User Response: Check the system log for additional messages showing the reason the CDS was disabled.

SLS1715I

CCCCCCCC initializing on: *CCC...CCC1 CCC...CCC2 CCC...CCC3*

Explanation: This host has initialized on listed copies of the CDS. *CCCCCCCC* is the HOSTid. *CCC...CCC1*, *CCC...CCC2* and *CCC...CCC3* depict the CDS data set names. Errors from previous HSC sessions or from other hosts could affect which copies this host initializes at startup. The HSC may not use all data sets as presented in PARMLIB, and they may not be in the same order.

System Action: None.

User Response: None.

SLS1717I

Standby CDS *CCC...CCC* disabled due to "DISABLE" parameter in the CDSDEF PARMLIB command

Explanation: The user specified DISABLE on the CDSDEF statement when defining the standby CDS (DSN3) to the system.

System Action: An attempt is made to read that CDS copy to ensure it is a valid CDS; then it is made inactive and de-allocated.

User Response: Should this CDS be needed, the HSC will NOT automatically use it in the case of a CDS switch or disable of either the primary or secondary CDS. You must manually enable it for use with the CDs Enable operator command.

SLS1718I

CDS *CCC...CCC* disabled, not in use by other hosts

Explanation: In order to prevent CDS corruption and mismatches, the named CDS copy was disabled because it was not being used by other active hosts.

System Action: The CDS is disabled and unallocated from this HSC.

User Response: If you wish to utilize that CDS copy, use the CDs Enable operator command to bring the copy online.

SLS1719I

CDS *CCC...CCC* disabling due to operator command

Explanation: CDS *CCC...CCC* will be unallocated due to an operator CDs Disable command.

System Action: The CDS is disabled and unallocated from this HSC.

User Response: If you wish to utilize that CDS copy, use the CDs Enable operator command to bring the copy online.

SLS1720E

Database {switch|expand} not adopted by active host *CCCCCCCC*

Explanation: After a successful CDS switch or expand, another active host failed to recognize the CDS change within a reasonable amount of time.

System Action: The issuing host continues with operations. This host may revert to a more restrictive CDS configuration.

User Response: If the HSC has been terminated precipitously on another host, it may appear active to other hosts. Verify if the other host has terminated. If it has, either recycle it or run SLUADMIN (SET HSCLEVEL) to reset it. If CDS Enable, Disable, or EXpand commands are entered simultaneously on multiple hosts, this message may appear on one or more of those hosts when it should not. If this occurs, use the Display CDS command to verify the CDS configuration. If it is correct, no further action is required. If all hosts are active or if the CDS configuration is incorrect when commands are entered from multiple hosts, there is an internal problem. In MSP, issue the MSP DUMP operator command against that host then recycle it. In VM, issue the CP VMDUMP command on the virtual machine of that host then recycle it. Collect the dump, MSP SYSLOG/SCP CONSLOG, and LOGREC/EREP data for problem determination, and contact StorageTek Software Support.

SLS1721I

CDS *CCC...CCC* disabled, not in use at prior HSC termination

Explanation: CDS *CCC...CCC* was disabled at initialization because it was not in use when the HSC was last terminated.

System Action: The CDS is disabled and unallocated from this HSC.

User Response: To utilize this CDS copy, enter the CDs Enable command to bring the CDS online.

SLS1722I

CDS *CCC...CCC* enabled, in use by other hosts

Explanation: It was determined that CDS *CCC...CCC* was disabled to this host and active to other hosts. This was the result of an operator CDs Enable command issued on another host. The CDS data set has been enabled for use by this host.

System Action: Enabling of the CDS on this host is automatic.

User Response: None

SLS1723I

SVARSRV service detects invalid VALUEL *XXXX*

Explanation: While parsing a PARMLIB entry, an internal routine was passed an invalid length.

System Action: The HSC initialization fails.

User Response: Preserve a copy of the MSP SYSLOG/SCP CONSLOG and a copy of the HSC PARMLIB entry. Contact StorageTek Software Support.

SLS1724I

CCCCCCCC1 is invalid on the *CCCCCCCC2* statement

Explanation: While parsing the PARMLIB entry, an invalid command (*CCCCCCCC1*) was found on the specified PARMLIB statement (*CCCCCCCC2*).

System Action: The HSC initialization fails.

User Response: Correct the failing entry for the specified statement, and re-start the HSC.

SLS1725I

Command parsed with no keywords

Explanation: While parsing a PARMLIB entry, a command was found that contained no keywords.

System Action: The HSC initialization fails.

User Response: Correct the PARMLIB command entry and re-start the HSC.

SLS1727I

Invalid data set type (*X*) for dynamic allocation

Explanation: While parsing a PARMLIB entry, a command was found that contained no keywords.

System Action: The HSC initialization fails.

User Response: Correct the PARMLIB command entry, and restart the HSC.

SLS1729E

The last copy of the CDS is in error; the HSC cannot continue

Explanation: Due to errors, the last remaining copy of the CDS was lost.

System Action: The HSC will not continue to run.

User Response: Look for previous messages which should explain why the CDS was lost. Correct these problems, and re-start the HSC. If you are unable to correct the problems, obtain a current copy of the MSP SYSLOG/SCP CONSLOG and/or the HSC job log. Also, IEBGENER dump a copy of each CDS used by the job, prior to any re-start attempts, to show their current state. Contact StorageTek Software Support.

SLS1730I

Invalid return code from SLSDCOPY

Explanation: Internal error. During a switch to the Standby CDS, SLSDCOPY returned an unknown return code.

System Action: The copy operation terminates. The HSC continues to run if there is at least one good copy of the CDS. If not, the HSC terminates.

User Response: Attempt to restart the HSC. If an HSC is still running on another host, the restart should work. If restart does not work, it could be because all copies of the CDS are determined to be invalid. Obtain a current copy of the MSP SYSLOG/SCP CONSLOG and/or the HSC job log and a copy of all CDSs along with any system dumps that have been taken. Contact StorageTek Software Support.

SLS1731I

```
Host-to-Host Communications registration failed, RC=XXXX
```

Explanation: An attempt to register for host-to-host communications failed. The return code is from the communications component.

System Action: Any communications between this host and any other active host in a multi-host environment will be through the CDS.

User Response: Look up the return code and follow the instructions. If unable to solve the problem, obtain a current copy of the MSP SYSLOG/SCP CONSLOG and/or the HSC job log along with any system dumps that have been taken. Contact StorageTek Software Support.

SLS1733E

```
Hostid required for JRNDEF PARMLIB entry
```

Explanation: A JRNDEF statement found in PARMLIB did not contain a HOSTID parameter

System Action: Since the system does not know which host owns those journal files and journaling was requested, the system will not come up.

User Response: Add the HOSTID parameter to the JRNDEF statement for the proper host.

SLS1735I

```
No journal files available
```

Explanation: The HSC lost the last valid journal file for this host.

System Action: If the JRNDEF parameter FULL was set to Abend (the default), the journal task and the HSC will abend. If the JRNDEF parameter FULL was set to Continue, the journal task will quiesce and the HSC will continue without journals.

User Response: At this point, NO journal files are valid for any host. Also, any offloaded journal files will be invalid. You should take an immediate backup of the HSC system. The reason "no files available" should be investigated. If the message is issued because the journal files filled up, the backup will reset them and journaling will continue automatically. If the message is issued because of an I/O error on the file, re-allocate that file and re-cycle the HSC. A backup should be taken as soon as that HSC is available again. If you cannot determine why this happened, notify StorageTek Software Support.

SLS1737E

```
None of the Control Data Set copies is a valid primary CDS;
processing terminated
```

Explanation: At HSC initialization, the subsystem attempts to open and read all CDS data sets specified by the CDSDEF parameter. At utility initialization, the utility attempts to open and read all CDS data sets specified in the JCL. The best CDS copy was not a primary or secondary CDS when it was last used and it has not been restored since, and thus it is not a valid primary CDS.

System Action:

- If the message is issued by the HSC subsystem, the subsystem terminates.
- If the message is issued by a utility, the utility ends with a return code of 8.

User Response: Review the CDSDEF PARMLIB control statement or utility JCL to determine if incorrect data set names were specified.

If the right data sets were specified, use the HSC BACKup utility to select and backup the most current CDS copy followed by an HSC RESTore to synchronize all CDS copies. When starting the HSC after a BACKup and RESTore, ensure that the order of the CDS copies is correct in the CDSDEF parameter.

When executing a HSC utility after a BACKup and RESTore, ensure that the SLSCNTL, SLSCNTL2 and SLSSTBY data set names are specified in the correct order.

SLS1738E

```
The CDS copies appear to belong to separate library
environments; processing terminated
```

Explanation: Based on the CDS data set information in the DHB, the data sets specified by the CDSDEF parameter or utility JCL do not appear to belong to a single library environment. Specific reasons for this are:

- The CDS copies appear to belong to separate library environments or are the result of multiple HSCs running on separate hosts after a remote link was lost. The procedure for merging the separate control data sets was not followed after the link was restored.
- The CDS copy with the highest shadow sequence number is not a valid primary CDS copy. This might be the former standby CDS copy after a reconfig.

System Action:

- If the message is issued by the HSC subsystem, initialization terminates.
- If the message is issued by a utility, the utility ends with a return code of 8.

User Response: Review the CDSDEF PARMLIB control statement or utility JCL to determine if incorrect data set names were specified.

If the correct data sets were specified, use the HSC BACKup utility to select and backup the most current CDS copy followed by an HSC RESTore to synchronize all CDS copies. When starting the HSC after a BACKup and RESTore, ensure that the order of the CDS copies is correct in the CDSDEF parameter.

When executing a HSC utility after a BACKup and RESTore, ensure that the SLSCNTL, SLSCNTL2 and SLSSTBY data set names are specified in the correct order.

SLS1739E

```
The number of CDS copies specified does not match the recovery
technique of {NONE|SHADOW|STANDBY}
```

Explanation: A utility attempting to update the CDS or the HSC subsystem is being run with a CDS that has not been successfully initialized by the HSC subsystem. The recovery technique for the CDS designated as the primary specifies a different number of CDS copies than were specified.

For example, the recovery technique specifies STANDBY but less than 3 CDS data sets were specified, or the recovery technique specifies NONE but more than one CDS copy was specified. The reported recovery technique does not include journaling, if specified.

System Action:

- If the message is issued by the HSC subsystem, the subsystem terminates.
- If the message is issued by a utility, the utility ends with RC=8.

User Response: Review the recovery technique listed in the message to determine if it is the desired technique. To change the recovery technique, execute the HSC SET TCHNIQE utility command, providing a number of CDS DD statements equal to the original technique, not the one specified by the SET.

In order to execute this utility, HSC **must not** be active on any host. After executing the utility, if you are increasing the number of CDS copies, you can use any operating system utility to create additional copies of the primary CDS.

If the recovery technique specified in the message is the desired technique, then specify the correct number of CDS copies in the CDSDEF command for subsystem initialization or the utility JCL to execute a utility.

SLS1780A

```
Log data sets are full - run OFFLOAD LOGFILE
```

Explanation: The logging system was unable to write a log record because there are no free data blocks in the log file(s).

System Action: Logging is suspended on the host that issued the message until the OFFLOAD LOGFILE utility is run.

Note – Because of the way data blocks are assigned by the logging service, other hosts may be able to continue to write records. The amount of time that other hosts are able to continue is dependent on their logging activity rate and the size of the logging records being written.

User Response: Run the OFFLOAD LOGFILE utility as soon as possible.

SLS1781E

```
Log file utilization exceeds nn percent
```

Explanation: The number of assigned blocks in the log file(s) has exceeded the percentage reported. Utilization warnings begin at 70 percent and occur again at pre-defined percentage intervals.

System Action: None.

User Response: To prevent the log file(s) from becoming full, run the OFFLOAD LOGFILE utility as soon as possible.

SLS1782I

`Logging {initialized|terminated} on data set` *CCCCCCC1*

Explanation: Log data set (CCCCCCC1) has been either initialized (allocated and opened) or terminated (closed and de-allocated).

System Action: None.

User Response: None.

SLS1783W

Log data set *CCCCCCC1* DISABLED; *CCCCCCC2*

Explanation: Log data set *CCCCCCC1* has been disabled for the reason identified by *CCCCCCC2*. The disabled log file is closed and de-allocated.

Additional information by reason:

- **ALLOCATION FAILURE: LOG FILE MIGRATED**

   During the allocation process, the data set was found to be migrated.

- **ALLOCATION FAILURE**

   Allocation has failed for the data set for a reason other than its being migrated.

- **COULD NOT OPEN DATA SET**

   The OPEN for the data set has failed. Possible reasons are file not formatted with FMTLOG, an incorrect DSORG or an incompatible block size.

- **DATA SET NOT IN INITIALIZED STATE**

   An attempt is being made to put a non-initialized log file into a configuration where logging is not currently active, or to add a non-initialized log file into an existing configuration. To add a new log data set, it must be formatted using the FMTLOG utility.

- **PERMANENT I/O ERROR**

   A permanent I/O error occurred. The data set is unusable and should be re-allocated and re-formatted using the FMTLOG utility.

- **DATA SET BLOCK INFO CONFLICTS WITH CDS**

   During log file initialization, the indicated log file was not in an initialized state, and its block information does not match the block information in the CDS.

- **SIZE CONFLICT WITH OTHER LOG DATA SET**

   An attempt is being made to add one or more initialized log files into a configuration, but the sizes of the two log files do not match. If both log files are in an initialized state, then both are disabled; if one file is active and the other is being added, then only the new file is disabled.

- **ABEND IN THE LOG FILE I/O ROUTINE**

   An abend in the log file I/O routine occurred. Contact Oracle software support to determine the cause of the abend.

System Action: Recording to the data set is discontinued. If only one log file was defined, or if both log files are disabled, then logging is no longer operational.

User Response:

- If there were two active log files and one is disabled, you can re-enable the disabled file using the following steps:

1. Delete and re-allocate the file, ensuring that the number of blocks matches the active file.

2. Run the FMTLOG utility to format the new file.

3. Run the SET LOGFILE utility to stage the new file to be re-enabled.

4. Run the OFFLOAD LOGFILE utility to offload the current existing log file and re-enable the new file.

- If there are currently NO active log files, you can use the following steps to re-enable logging:

1. It is recommended that you back up your CDS as soon as possible, since the logging feature is currently inactive.

2. Delete and re-allocate the log file(s).

3. Run the FMTLOG utility to format the new file(s).

4. Run the SET LOGFILE utility to enable the new files immediately.

SLS1784E

Log monitor task has terminated abnormally; logging now
inactive

Explanation: An abend has occurred in the log monitor task. No logging can be performed.

System Action: None.

User Response: Contact StorageTek Software support to determine the cause of the abnormal termination. Stop and restart the HSC subsystem to re-enable logging.

SLS1785E

LOG DATA SET *CCCCCCCC* IS DISABLED

Explanation: The log data set (*CCCCCCCC*) is defined in the CDS but is in a disabled state.

System Action: This log data set is not used. If only one log file was defined, or if both log files are disabled, then logging is no longer operational.

User Response: See the User Response for message SLS1783E.

SLS1790I

Log data set *DDDDDDDD* selected by the OFFLOAD LOGFILE utility

Explanation: The OFFLOAD LOGFILE utility has selected data set *DDDDDDDD* as the input file.

System Action: None.

User Response: None.

SLS1791I

OFFLOAD LOGFILE utility successfully offloaded *NNNN* records

Explanation: The OFFLOAD LOGFILE utility completed successfully. The number of records offloaded is *NNNN*.

System Action: None.

User Response: None.

SLS1792I

TTTTTTTT log file DSN has been set to *DDDDDDDD*

Explanation: The PRIMARY or SECONDARY (*TTTTTTTT*) log file data set name has been set to *DDDDDDDD*.

System Action: None.

User Response: None.

SLS1793W

No data available for OFFLOAD LOGFILE utility - *RRRRRRRR*

Explanation: The OFFLOAD LOGFILE utility has determined that there is no data available to offload. *RRRRRRRR* indicates the reason.

System Action: The SLUADMIN return code is 4.

User Response: None.

SLS1794E

Error during OFFLOAD LOGFILE utility - *RRRRRRRR*

Explanation: The OFFLOAD LOGFILE utility terminated without offloading all data scheduled to be offloaded. *RRRRRRRR* indicates the specific error.

System Action: The SLUADMIN return code is 8.

User Response: The data in the log files remains available for offloading. Correct the problem, if possible, and re-run the utility.

If the problem cannot be corrected, activate new log files by running the SET LOGFILE utility, followed by another OFFLOAD LOGFILE utility (ignoring this error), followed by an immediate backup of the CDS.

SLS1795E

Previous OFFLOAD LOGFILE has not completed

Explanation: SLUADMIN found that another OFFLOAD LOGFILE is still in progress or did not complete normally. Only one OFFLOAD LOGFILE is permitted to run at any given time against a CDS.

System Action: The utility return code is 8.

User Response: If the previous offload has terminated abnormally, use the RESTART keyword on the OFFLOAD LOGFILE utility control statement to restart that offload, otherwise wait for the active offload to complete.

SLS1796E

Improper use of the RESTART keyword

Explanation: The RESTART keyword was specified on the OFFLOAD LOGFILE utility control statement, but the CDS does not show that an offload has failed.

System Action: The utility completes with a return code of 4.

User Response: Remove the RESTART keyword from the utility control statement and re-submit the job.

SLS1797I

No qualifying MVCs found for ACTMVCGN utility

Explanation: The ACTMVCGN utility found no active MVC found.

System Action: The return code from SLUADMIN is 4.

User Response: None.

SLS1825I

Volume *volser* is not in the library

Explanation: The volume was not in the library.

System Action: The function does not process the volume.

User Response: None.

SLS1900I

```
Invalid reply: CCCCCCCC
```

Explanation: A reply to a WTOR was invalid.

System Action: The HSC reissues the WTOR.

User Response: Respond with a valid reply.

SLS1901I

```
A communications path switched from CCCC to CCCC; {initiated
by|with} CCCCCCCC
```

Explanation: The HSC on this host performed a switch of a communications method. If indicated, the switch was initiated by host *CCCCCCCC*, and this host has responded by performing a switch. Otherwise, a failure occurred on this host, and the other host will be notified to perform a switch. The previous and current methods are displayed.

System Action: If due to an error on this host, a search is performed to find the next lower level method available. If initiated by another host, the new method specified by that host is used.

User Response: If due to an error on this host (or possibly on an initiating host), find and correct the problem which prompted the switch. Then, if desired, return to the previous communications method by using the COMMPath command.

SLS1902D

```
Specified communications method is VTAM and VTAM is not
active; reply RETRY or NOVTAM
```

Explanation: The communications method is specified as VTAM, but VTAM was not active when HSC tried to open the VTAM ACB.

System Action: The next lower method available is used until VTAM becomes active.

User Response: Reply RETRY to cause HSC to try again to open the VTAM ACB. If VTAM is active, a switch to the VTAM method occurs. Reply NOVTAM to cause HSC not to wait for VTAM to become active and to continue using the method already selected.

SLS1903I

```
Communications method switch not initiated; host CCCCCCCC
specified unacceptable parm: CCCC
```

Explanation: The HSC on host *CCCCCCCC* requested a communications method switch, but the *parm* CCCC is unacceptable on this host.

System Action: The request is ignored.

User Response: Since a method switch was requested, you may need to check for error messages on the requesting host and respond accordingly. If the results would have been desired, modify the definitions for this host and the requesting host by using the COMMPath command.

SLS1904E

```
Communications error: function XXXXXXXX1 XXXXXXXX2 [XXXXXXXX3]
```

Explanation: The HSC host-to-host communications component encountered a processing error for the specified function. *XXXXXXXX1* and *XXXXXXXX2* are the primary and secondary error codes, respectively. If present, *XXXXXXXX3* is further error information. Possible function values and error codes include:

Possible Function Values	Primary Error Codes (*XXXXXXXX1*)	Secondary Error Codes (*XXXXXXXX2*)	Additional Information (*XXXXXXXX3*)
VTAM ALLOC	1 or 2	3	5
VTAM CLOSE	1	4	N/A
VTAM CNOS	1	3	5
VTAM DEALLOC	1 or 2	3	5
VTAM OPEN	1	4	N/A
VTAM OPRCNT	2	3	5
VTAM PREPRCV	2	3	5
VTAM RCVFMH5	1 or 2	3	5
VTAM RECEIVE	2	3	5
Issue VTAM RECEIVE	1	3	5
VTAM RECEIVE complete	1	3	5
VTAM RECEIVE WHATRCV	1	3	6
VTAM REJECT	1 or 2	3	5
VTAM RESETRCV	2	3	5
VTAM SEND	2	3	5
VTAM SEND FLUSH	1	3	5
VTAM SETLOGON	1	3	N/A

Note – See "value definitions" sections below for definitions of the numbers in this list (1-6) used to represent error codes.

Value definitions for primary and secondary error codes as well as additional error information include:

Primary Error Code (*XXXXXXXX1*) value definitions:

1	Primary return code from R15 (for VTAM requests)
2	Recovery action return code from R0 (for VTAM SYNAD and LERAD exits)

Secondary Error Code (*XXXXXXXX2*) value definitions:

3	Two bytes with value from RPLRTNCD field and two bytes with value from RPLFDB2 field in RPL
4	Value from ACBERFLG field in ACB

Additional Information (*XXXXXXXX3*) value definitions:

5	Two bytes with value from RPL6RCPR field and two bytes with value from RPL6RCSC field in RPL extension
6	Value of WHATRCV mask from RPL6WHAT field in RPL extension

Primary (*XXXXXXXX1*) and secondary (*XXXXXXXX2*) error codes as well as additional information (*XXXXXXXX3*) display when applicable. The codes consist of four bytes displayed as eight characters. For example,

SLS1904E Communications error: VTAM ALLOC 00000000 0000000B 00040000

VTAM code definitions are documented in applicable VTAM manuals.

System Action: Processing attempts to continue. Depending on the severity of the error, execution may be affected later on.

User Response: Determine and correct the problem. If the error caused a communications method switch, determine if you want to return to the higher COMM level (use the COMMPath command).

SLS1905I

Unexpected RC *XXXXXXXX* from *CCCCCCCC*

Explanation: An unexpected return code was returned from a component.

System Action: The system continues operating and bypasses the requested function of the component.

User Response: Contact StorageTek Software Support.

SLS1906I

Invalid message data:

CCCCCCCCCC
ZZZZZZZZZZ
NNNNNNNNNN

Explanation: Invalid character(s) were detected in a communications message being sent to another host. *CCCCCCCCCC* is the EBCDIC representation of the message data. *ZZZZZZZZZZ* and *NNNNNNNNNN* are the zones and numerics of the message data.

System Action: The system continues operating and the communications message is ignored.

User Response: Contact StorageTek Software Support.

SLS1907I

CDS output message queue count for host *HHHH* is *CCCCCC*

Explanation: There are *CCCCCC* messages on the CDS output message queue for host *HHHH*.

System Action: If the HSC on host *HHHH* is active the messages will eventually be processed. If the HSC on host *HHHH* is inactive then the messages will not be processed and will continue to accumulate.

User Response: If the HSC on host *HHHH* is active and VTCS is installed, Oracle recommends that the HSC COMMPath METHod parameter be set to either LMU or VTAM. If host *HHHH* is not active then the RECOVER command can be used to delete the queued messages. CAUTION: See the RECOVER command before using this command.

SLS1950I

Volume *volser* moved from location *AA:LL:PP:RR:CC* to location *AA:LL:PP:RR:CC*

Explanation: Volume *volser* was moved to location *AA:LL:PP:RR:CC*.

System Action: The volume was moved as requested.

User Response: None.

SLS1951I

Volume *volser* not in ACS *AA*

Explanation: A volume, *volser*, requested in a command or utility was not found in the CDS if *AA* is blank or in the target ACS if *AA* is displayed.

System Action: The command or utility function is not performed for the volume.

User Response: If Flsm and TLsm are specified on a MOVe statement, insure they are within the same ACS configuration. Otherwise, a Display Volume may be used to determine if it exists and/or where.

SLS1952I

{MOVe} Rejected; Conflicting audit in progress on {ACS|LSM} {ACSid|LSMid}

Explanation: A command or utility function was attempted against library volumes that were being audited by a SLUADMIN AUDIt utility.

System Action: The requested command or utility terminates.

User Response: Wait until the AUDIt utility job is finished, and re-enter this request.

SLS1953I

I/O error processing control database

Explanation: An I/O error on the control data set occurred during processing of a command or utility function.

System Action: The command or utility terminates before completing the requested function.

User Response: Determine the cause of the I/O error. Re-enter the request after the control data set problem is corrected.

SLS1954I

{MOVE} rejected; {ACS|LSM} {ACSid|LSMid} is {OFFLINE|INVALID|NOT CONNECTED}

Explanation: A command was rejected because the specified component of the system required to complete the command was unavailable.

System Action: The command is rejected.

User Response: Verify that the ACS is connected, the LSM is online (available) as indicated in the message, and then re-enter the command. If the ACSid or LSMid is invalid, re-enter the command with the correct ACSid or LSMid. If the problem persists, contact StorageTek Hardware Support.

SLS1955I

Cell *AA:LL:PP:RR:CC* is not a valid CELLid

Explanation: A Cell (*AA:LL:PP:RR:CC*) requested in a command or utility was found to be an invalid location for a storage cell.

System Action: The command or utility function is not performed for the cell.

User Response: Determine the correct location, and repeat the function.

SLS1956I

```
Unable to select volume during CCCCCCC of volume volser
```

Explanation: During processing of the *CCCCCCC* command, Volume *volser* was already in use and could not be selected to complete the operation.

System Action: The *CCCCCCC* command continues with the next volume in the scope of the requested command.

User Response: Enter a separate *CCCCCCC* command for the volume when it is not in use.

SLS1957I

```
MOVE rejected; no target LSMs are connected, online, or valid
```

Explanation: An attempt to move volume(s) to specified LSM(s) was rejected. None of the LSMs were valid, connected, or online to the host where the command was executed.

System Action: The operator command terminates.

User Response: Connect one or more of the LSMs to this host (see Vary and MODify commands), and re-enter the operator command.

SLS1958I

```
No free cells found in specified PANEL or LSM(s) to continue
the MOVE function
```

Explanation: A MOVe command was issued, but no free cells were found in the specified panel or LSM(s).

System Action: The MOVe function terminates due to lack of free cells.

User Response: Free up cells in the LSMs where volumes are to be moved by ejecting volumes from the LSM, or re-enter the MOVe command specifying a different panel in the LSM or a different LSM.

SLS1959I

```
Volume in cell location AA:LL:PP:RR:CC does not physically
match specified Volser volser
```

Explanation: During the process of verifying the volume and its location, the volume was not where the control data set indicated it should have been.

System Action: The volume was not moved during this operation and is made errant.

User Response: An attempt should be made to locate the volume in question. If necessary, perform an audit of the panel where the volume resided.

SLS1960I

```
External label on volume volser is unreadable
```

Explanation: While executing a command, the label on Volume *volser* has become unreadable.

System Action: The volume was not moved during this operation. The control data set is marked to reflect this condition.

User Response: The specified volume should be ejected from the library and its external label examined to determine why the label is not readable. If this condition exists on several volumes, report this condition to StorageTek Hardware Support.

SLS1961I

```
Cell AA:LL:PP:RR:CC is empty - found during CCCCCCC
```

Explanation: While running the *CCCCCCCC* command, the cell in question was found to be empty.

System Action: The volume is made errant.

User Response: Perform one of the following actions:

- Audit the referenced cell (*AA:LL:PP:RR:CC*)
- Mount or eject the volume to invoke errant recovery to allow a logical eject to occur

SLS1962I

```
CCCCCCC of volser at AA:LL:PP:RR:CC failed; LMU/LSM error
(XXXX)
```

Explanation: Command *CCCCCCC* of volume *volser* or Cell *AA:LL:PP:RR:CC* failed. *XXXX* is an LMU/LSM error. Possible LMU/LSM errors are:

6510 - No pass-thru port for transfer
6511 - LMU offline
6512 - Lost communication with LMU
6514 - LSM hardware error
6515 - LMU hardware error
6528 - LMU Server Dead
6592 - LSM is offline
65FF - Request purged

System Action: The action in progress will not complete. The cartridge may be made errant depending on the point at which the failure occurred.

User Response: Use the Display Volume command to determine the status and location of the volume. If the volume is made errant, perform one of the following actions:

- Audit the referenced cell (*AA:LL:PP:RR:CC*)
- Mount or eject the volume to invoke errant recovery to allow a logical eject to occur

SLS1963I

Unexpected RC received in module *CCCCCCCC1* while processing *CCCCCCC2* (*XXXXXXXX*)

Explanation: Module *CCCCCCCC1* returned an unexpected return code (*XXXXXXXX*) while attempting to perform the *CCCCCCC2* function. The success or failure of the function is unknown.

System Action: The state of action in progress is unknown, and a SNAP dump has been taken.

User Response: Preserve the SNAP dump and contact StorageTek Software Support.

SLS1964I

TPANEL specified for MOVE of *volser* conflicts with source location panel

Explanation: A MOVe command or utility function was attempted specifying the same panel where the source volume resides. A move to the same panel is not allowed.

System Action: The requested command or utility terminates. The move is not performed.

User Response: Re-enter the command or utility specifying a TPanel that is not the source location panel.

SLS1965I

AT *HH:MM:SS* CCCCCCCC REQUESTED *DDDDDDDD* volser EEEEEEEE

Explanation: In response to a MONITOR command, this message indicates that the specified job *CCCCCCCC* has issued a programmatic interface or VM TMI call requesting the specified motion against the specified volser (*volser*).

HH:MM:SS	Specifies the time the request was issued. If a single request specified multiple volumes (e.g. EJect), then each message for that request will display the same time.
DDDDDDDD	Specifies the type of motion. Valid values are Mount, DISMount, MOVe or EJect.
EEEEEEEE	Specifies the location involved. This is either a CAPid (EJect), LSMid (MOVe target), or a drive device number (Mount, DISMount).

System Action: None.

User Response: None.

SLS1966I

CCCCCCCC task failed, attempting to restart

Explanation: The task (*CCCCCCCC*) either failed to initialize, or it completed its processing out of sequence, either normally or via an abend. An attempt will be made to detach and reattach the task in order to restart it.

System Action: HSC processing continues.

User Response: None.

SLS1967I

CCCCCCCC task restarted successfully

Explanation: The task that failed earlier was detached and reattached and now has initialized successfully.

System Action: HSC processing continues.

User Response: None.

SLS1968E

CCCCCCCC task could not be restarted

Explanation: The attempt to detach and reattach the task did not succeed. The maximum number of reattach attempts for this task was tried, but the task could not be restarted. The HSC should be recycled soon in order to re-establish the functions of this task.

System Action: HSC processing continues.

User Response: You should recycle the HSC in order to recover the functionality of the non-restartable task.

SLS1969I

User Exit *CC* module *CCCCCCCC* RRRRRRRR

Explanation: The HSC User Exit Service responded with one of the following conditions:

If *RRRRRRRR* = **ABENDED and DISABLED**
  User Exit *CC* had an error for module *CCCCCCCC*

If *RRRRRRRR* = **INACTIVE**
  User Exit *CC* returned inactive for module *CCCCCCCC*

If *RRRRRRRR* = **NOT DISABLED**
  User Exit *CC* was being processed when an abend occurred

System Action: If status displayed is INACTIVE, the system no longer executes the User Exit module, as this is the requested action.

If status is ABENDED and DISABLED, User Exit had a processing error and is no longer executed.

If status is NOT DISABLED, this implies there was an abend while processing this user exit, but it was outside the boundaries of the user exit itself. In this case, the exit is not disabled. The abend should still be investigated.

User Response: If status displayed is INACTIVE, no further action is required, as this is the requested action.

If status displayed is ABENDED and DISABLED or NOT DISABLED, notify the systems programmer immediately of this condition.

SLS1970I

```
OPEN Error on User Exit Module Library: CCCCCCCC
```

Explanation: An error occurred at initialization time when the system attempted to OPEN the User Exit Module Library specified by the *CCCCCCCC* DD JCL card.

System Action: The System attempts to load the default User Exit Modules from JOBLIB/STEPLIB instead of specified User Exit Module Library. Dynamic LOAD/RELOAD of User Exits is --NOT-- possible due to OPEN Error.

User Response: Notify your systems programmer immediately of this condition. Correct the spelling of User Exit Module Library name and/or resolve the reason for OPEN Error.

SLS1971I

```
HSC User Exit Service Error: User Exit CC Now INACTIVE
```

Explanation: An internal maintenance/check program detected a serious data structure error condition in the User Exit Table.

System Action: The System changes the status of problem User Exit to "INACTIVE" and takes steps to correct the data structure error with next dynamic LOAD of User Exit *CC*.

User Response: Dynamically RELOAD User Exit *CC* via the UEXIT operator command. If this problem occurs again, notify your systems programmer immediately.

Note – Dynamic LOAD/RELOAD of User Exit Modules is only possible if the "SLSUEXIT" DD procedure statement was included in the HSC JCL.

SLS1972D

```
ATTACH/Initialization of CCCCCCCC is OVERDUE; Retry or Cancel
(R,C)
```

Explanation: The HSC is attempting to ATTACH and Initialize the required module *CCCCCCCC*, but, it is taking longer than expected. The ATTACH/Initialization process will continue for several minutes, but, could eventually abend the HSC startup process.

System Action: Processing continues, Response is NOT mandatory. The message is issued to give the customer an opportunity to enter the various user response options as described below.

User Response: Possible user responses:

R	Retry will restart the ATTACH and Initialization timers.
C	Cancel will force an HSC abend, take a system DUMP and Cancel the HSC startup process.
no action	The HSC will wait for several more minutes for the *CCCCCCCC* to ATTACH and initialize. If successful the HSC will continue processing. If not successful the HSC startup process will issue an abend and then begin its shutdown logic.

SLS1973I

`(...error text...)`

Explanation: A specified value is invalid or an incompatibility exists between model, unit, media, and/or recording technique information for a request. Valid error text messages include:

RECTECH is incompatible with UNIT
The value specified for the RECtech parameter is not compatible with the drive specified for the unit.

MODEL is incompatible with UNIT
The value specified for the MODel parameter is not compatible with the drive specified for the unit.

MEDIA is incompatible with UNIT
The value specified for the MEDia parameter is not compatible with the drive specified for the unit.

UNIT is incompatible with both MEDIA and RECTECH
The drive specified for the unit is not compatible with the MEDia or RECtech values.

UNIT is incompatible with both MEDIA and MODEL
The drive specified for the unit is not compatible with the MEDia or MODel values.

MEDIA is incompatible with RECTECH
The value specified for the MEDia parameter is not compatible with the value specified for the RECtech parameter.

MEDIA is incompatible with MODEL
The value specified for the MEDia parameter is not compatible with the value specified for the MODel parameter.

RECTECH is incompatible with both UNIT and MEDIA
The value specified for the RECtech parameter is not compatible with the drive and MEDia parameters.

MODEL is incompatible with both UNIT and MEDIA
The value specified for the MODel parameter is not compatible with the drive and MEDia parameters.

MEDIA is incompatible with both UNIT and RECTECH
The value specified for the MEDia parameter is not compatible with the drive and RECtech parameters.

MEDIA is incompatible with both UNIT and MODEL
The value specified for the MEDia parameter is not compatible with the drive and MODel parameters.

MEDIA, RECTECH and UNIT are all incompatible
The values specified for MEDia, RECtech and the drive parameters are not compatible with each other.

MEDIA, MODEL and UNIT are all incompatible
The values specified for MEDia, MODel and the drive parameters are not compatible with each other.

MEDIA is invalid
The value specified for the MEDia parameter is unknown or incorrect.

RECTECH is invalid
The value specified for the RECtech parameter is unknown or incorrect.

MODEL is invalid
The value specified for the MODel parameter is unknown or incorrect.

MEDIA and RECTECH are invalid
The values specified for the MEDia and RECtech parameters are unknown or incorrect.

MEDIA and MODEL are invalid
The values specified for the MEDia and MODel parameters are unknown or incorrect.

UCB/LMU Drive type mismatch; UCB device type assumed
The MSP UCB indicated a device type which is not compatible with the LMU device type. HSC will assume the UCB device type for this operation: 3480 is assumed to be 18TRACK; 3490/3490E are assumed to be 36ATRACK; and 3590 is assumed to be STK1R.

UCB/LMU UNITATTR Drive type mismatch; UCB/LMU type assumed
The UNITATTR for the device does not match what the UCB or LMU indicates. HSC will use the type of device that the UCB/LMU indicates.

System Action. None

User Response. Correct the situation described in the error message and resubmit your job.

SLS2008I

```
CAP Status:

CAP ID  Size     Hostid  Priority  Mode    Status
_____  _____   _____  _____  _____  _____
CCCC1   CCCC2    CCCC3   DD        CCCC4   CCCC5
                                           CCCC5
```

Explanation: The status of one or more CAPs is displayed in response to the Display Cap command. One status line is displayed for each CAP. If there are no CAPs attached to the host, the message "LSM *AA:LL|AA:LL*:CC has no CAPs available" is displayed instead of the CAP status messages.

CCCC1	CAPid (*AA:LL:CC*)
CCCC2	CAP size, which is one of the following: 21-CELL: Standard 4410 CAP 20-CELL: WolfCreek CAP 30-CELL: WolfCreek optional CAP 40-CELL: Enhanced CAP PCAP: Priority CAP (Enhanced/Wolfcreek) 14-CELL: 9740 14 cell CAP 10-CELL: 9740 CAP with 10 cell magazine 9740-TYPE: 9740 CAP when HSC does not yet know the number of cells 26-CELL: SL3000 CAP with two 13 cell magazines 39-CELL: SL8500 CAP with three 13 cell magazines
PPP	PARTid of the partition owning the CAP. This is only displayed if the CAP is active.
CCCC3	HOSTid of the host owning the CAP. This is only displayed if the CAP is active.
DD	CAP priority
CCCC4	CAP Mode, which is one of the following: Entering: CAP is being used to enter tapes. Ejecting: CAP is being used to eject tapes. Draining: CAP is being drained. Cleaning: CAP needs cleaning Idle: CAP is idle. Reserved: CAP is reserved by another partition. Unknown: Error occurred. Unknown CAP type.
CCCC5	CAP Status, which is one or more of the following: Manual: CAP is in Manual mode. Online: CAP is Online Offline: CAP is Offline. Active: CAP is performing a task. Recovery: Error occurred. Recovery needed. Automatic: CAP is in automatic mode Unknown: Error occurred. Unknown CAP status.

System Action: HSC processing continues.

User Response: None.

SLS2009I

```
EJECT|ENTER|VIEW rejected; unexpected RC XXXX from
FIGMNGR|SLSCGREC
```

Explanation: An EJect|ENter|VIew command was rejected because an unexpected return code was encountered from Configuration Management (FIGMNGR) or CAP Services detected an error attempting to locate a CAP record (SLSCGREC).

XXXX	the called service return code.
FIGMNGR|SLSCGREC	the called service presenting the return code.

System Action: The command is rejected.

User Response: None.

SLS2011I

```
The VIEW command is not supported for this library type
```

Explanation: An attempt to VIEW a cell in an SL8500 library has failed because this library has no lights or cameras.

System Action: The VIEW command is terminated.

User Response: None.

SLS2012I

```
DRAIN command rejected; CAP AA:LL:CC is OFFLINE
```

Explanation: The specified CAP cannot be drained, as it is not online. Since it is not online, it cannot be doing an enter or an eject and, consequently, should not need to be drained.

AA:LL:CC is the CAPid.

System Action: The DRAin request is rejected.

User Response: Reissue the command with the correct CAPid.

SLS2013I

```
EJECT rejected; No SCRATCH volumes in ACSid AA or parser
error, invalid CAPid length detected|CAPid AA:LL:CC is of an
unknown CAPtype |internal error
```

Explanation: An EJect command was unable to locate any scratch volumes in the named ACSid *AA* or the CAPid specified was not in the form of *AA:LL* or *AA:LL:CC*. "EJECT rejected," "CAPid *AA:LL:CC* is of an unknown CAPtype," and "internal error" are HSC errors and should be referred to StorageTek Software Support.

AA	the ACSid specified in the *AA* portion of *AA:LL:CC* in the EJect command
AA:LL:CC	the CAPid specified by the EJect command

System Action: The EJect command is rejected.

User Response: None.

SLS2014I

```
LSM AA:LL Status :


LSM Type : DDDD1

{Pending               |}- {Not Ready |} - {Automatic|}
 Maint Mode            |    Ready          Manual
 Offline               |
 Online

CAP ID Size   Hostid  Priority   Mode   Status
_____ ____  _____  _____   ____   _____
CCCC1  CCCC2 CCCC3   DD2               CCCC4  CCCC5
                                              CCCC5


[AUDIT in progress.]
Scratch volumes available...DDDD
Free cells available.............DDDD
Panel PP frozen - DDD1 total cells, DDD2 free cells
```

Explanation: The status of one or more LSMs is displayed in response to the Display Lsm command. If Lsm is specified without *lsm-list*, a one line status summary is displayed for every LSM in the library.

LSM status information displayed is as follows:

- Online/Offline/Pending Offline/Maintenance Mode Status
- Ready/Not Ready status
- Automatic/Manual Mode status
- Not configured status
- FREEZE status

LSM type displayed is as follows:

- 4410 Standard LSM
- 3000 StorageTek Library 3000
- 8500 Oracle StorageTek Library 8500
- 9310 PowderHorn
- 9360 WolfCreek
- 9740 TimberWolf

Depending on the format of the Display command, the following information may be included:

- CAP status, which includes CAPid, Size, HOSTid, Priority, Mode and Status. The status of one or more CAPs is displayed in response to the Display Cap command. One status line is displayed for each CAP. If there are no CAPs attached to the host, the message "LSM *AA:LL*|*AA:LL:CC* has no CAPS available" is displayed instead of the CAP status messages.

DDDD1	LSM type, which is one of the following:
	4410 Standard LSM
	3000 Oracle StorageTek Library 3000
	8500 Oracle StorageTek Library 8500
	9310 PowderHorn
	9360 WolfCreek
	9740 TimberWolf
CCCC1	CAPid (*AA:LL:CC*)
CCCC2	CAP size, which is one of the following:
	21-CELL: Standard CAP
	20-CELL: WolfCreek CAP
	30-CELL: WolfCreek optional CAP
	40-CELL: Enhanced CAP
	PCAP: Priority CAP (Enhanced/WolfCreek)
	10-CELL: 9740 CAP with 10 cell magazine
	14-CELL: 9740 14 cell CAP
	26-CELL: SL3000 with two 13 cell magazines
	39-CELL: SL8500 CAP with three 13 cell magazines
	9740-TYPE: 9740 CAP when HSC does not yet know the number of cells
	39-CELL: SL8500 CAP with three 13 cell magazines
CCCC3	HOSTid of the host owning the CAP. This is only displayed if the CAP is active.
DD2	CAP priority.
CCCC4	CAP Mode, which is one of the following:
	Entering: CAP is being used to enter tapes.
	Ejecting: CAP is being used to eject tapes.
	Draining: CAP is being drained.
	Cleaning: CAP needs cleaning.
	Idle: CAP is idle.
	Unknown: Error occurred. Unknown CAP type.
CCCC5	CAP Status, which is one or more of the following:
	Manual: CAP is in Manual mode.
	Online: CAP is Online.
	Offline: CAP is Offline.
	Active: CAP is performing a task
	Recovery: Error occurred. Recovery needed.
	Automatic: CAP is in automatic mode.
	Unknown: Error occurred. Unknown CAP status.

- Audits in progress, if any
- Number of scratch volumes and free storage cells available in each LSM
- Display each frozen panel, showing the total number of cells (*DDD1*) and number of free cells (*DDD2*) on the panel.

System Action: HSC processing continues.

User Response: None.

SLS2033I

{ENTER|EJECT} command rejected; LSMid *AA:LL* does not control a
CAP

Explanation: An ENter or EJect command specified an LSMid that does not control a
CAP.

System Action: The EJect or ENter command is rejected.

User Response: To view the status of the eligible CAPs, issue the Display Cap
command. Re-issue the command specifying an LSMid that controls an eligible CAP.

SLS2034I

MODIFY LSMid *AA:LL* offline command rejected; CAPid *AA:LL:CC*
reserved to *CCCCCCCC*

Explanation: An attempt was made to modify the last SL8500 LSM offline that can
control the CAP(s) when at least one CAP was still active.

System Action: The MODify lsm OFFline command is rejected.

User Response: Ensure that all the CAPs for the LSM are inactive. Or, vary on
another LSM that can control the active CAP. If further CAP processing is impossible
due to a hardware error, issue the MODify lsm OFFline command with the FORCE
keyword.

SLS2038I

DRAin command rejected; ENter|EJect command not active on
CAPid *AA:LL:CC*.

Explanation: The specified CAP is not currently performing enter or eject processing
or an ENter or EJect command is not in progress from the same host from which the
DRAin command is entered.

AA:LL:CC. is the CAPid.

System Action: The DRAin request is rejected.

User Response: Reissue the command on the host where the ENter|EJect is active.

SLS2039I

```
{ENTER|EJECT} command rejected; no CAPs on {ACS AA|LSMid
AA:LL} are eligible for selection
```

Explanation: An ENter or EJect command did not contain a specific CAPid, and no CAPs are eligible to be selected.

To be eligible for selection, a CAP must have a non-zero CAP preference value, it must be online, it must be idle, and it cannot be in RECOVERY Mode. In addition, for the ENter command, the CAP cannot be in AUTO mode.

System Action: The EJect or ENter command is rejected.

User Response: To view the status of the CAPs, issue the Display Cap command.

- If CAP preference values need to be set to non-zero, this is done using the CAPPref command.
- If a CAP needs to be brought online, this is done using the MODify command.
- If a CAP mode needs to be changed from AUTO to MANual, this is done using the CAPPref command.
- If a CAP is in RECOVERY mode then wait until the Recovery process is complete.

Once there are eligible CAPs from which to choose, re-issue the command. Alternatively, the command can be issued with a specific CAPid, so that the selection process is unnecessary.

SLS2043I

```
Scratch warning thresholds have been set to DDDD for ACS
acsid|LSM lsmid {SUBPOOL subpool} {MEDIA media RECTECH
rectech}
```

Explanation: This message indicates that the scratch warning threshold has been adjusted by the Warn command. *DDDD* is the threshold, *acsid* or *lsmid* is the ACS or LSM for which the threshold has been set. *subpool* is the subpool to which the threshold applies. *media* is the media type to which the threshold applies. *rectech* is the recording technique to which the threshold applies.

System Action: None.

User Response: None.

SLS2050I

```
CCCCCCCC command RRRRRRRR; reconfiguration is active
```

Explanation: While processing command *CCCCCCCC* dynamic reconfiguration was detected. If the field *RRRRRRRR* contains "not executed" or "terminated", then the command could not be executed while reconfiguration is active. If *RRRRRRRR* contains "delayed", then this command is delayed until dynamic reconfiguration is complete.

System Action: Depending on the text in the message the command is either rejected, terminated, or delayed. If the command is delayed then it will be executed once dynamic reconfiguration completes.

User Response: If the command was rejected or terminated then re-enter the command once reconfiguration completes.

SLS2075I

Manually mounted volume *volser* from cell location
AA:LL:PP:RR:CC deleted from the CDS

Explanation: A volume, *volser*, manually mounted in an offline LSM was
dismounted manually. The volume is no longer within library control and has been
deleted from the Control Data Set (CDS).

System Action: The volume is deleted from the CDS, and processing continues.

User Response: None.

SLS2080I

Unable to mark volume *volser* errant - volume is not selected

Explanation: During a dismount, an attempt was made to mark the specified volume
errant. This could not be done as it is not in selected status.

System Action: The volume is not dismounted and is not marked errant.

User Response: Investigate why the volume is not selected and take appropriate
action.

SLS2081I

Unable to mark volume *volser* errant - VAT not owned by caller

Explanation: During a dismount, an attempt was made to mark the specified volume
errant. This could not be done as the VAT is not owned by the caller.

System Action: The volume is not dismounted and is not marked errant.

User Response: Issue the DISMOUNT request from the same system that mounted
the cartridge.

SLS2082I

Unable to mark volume *volser* errant - VAR not owned by caller

Explanation: During a dismount, an attempt was made to mark the specified volume
errant. This could not be done as the VAR is not owned by the caller.

System Action: The volume is not dismounted and is not marked errant.

User Response: Issue the DISMOUNT request from the same system that mounted
the cartridge.

SLS2102D

```
Dismount of volser from {drive XXXX|driveid AA:LL:PP:NN} -
Volume not in CDS; reply I, A, R or E to Ignore, Add, Retry or
Eject
```

Explanation: An attempt was made to dismount volume *volser* from transport {*XXXX*|*AA:LL:PP:NN*}, but the specified volume was not in the control data set.

System Action: The dismount waits for you to reply I; A; R; or E.

User Response: Reply with one of the following:

Ignore (I)	If the dismount is to be ignored.
Add (A)	If the volume is to be added to the CDS and the cartridge dismounted to a new home cell.
Retry (R)	If the control data set lookup is to be retried.
Eject (E)	If the cartridge is to be ejected.

SLS2108D

```
Mount of volser on {drive XXXX|driveid AA:LL:PP:NN} - External
media type unreadable; reply Retry/Bypass/Eject/Ignore
(R,B,E,I)
```

Explanation: An attempt was made to mount volume *volser* on transport *XXXX*|*AA:LL:PP:NN*, but the external media type was unreadable.

System Action: The mount waits until you reply either Retry, Bypass, Eject, or Ignore.

User Response: Reply with one of the following:

R	If the mount is to be retried, reply R.
B	If the mount is to be retried and media type verification bypassed, reply B.
E	If the volume is to be ejected, reply E. Volume *volser* will be deleted from the control data set.
I	If the mount is to be ignored, reply I.

SLS2114D

```
Enter of volser on {drive XXXX|driveid AA:LL:PP:NN} - volser
cannot be used; reply E,volser to enter cartridge or I to
Ignore
```

Explanation: An attempt was made to ENter volume *volser* to be mounted on drive *XXXX* or driveid *AA:LL:PP:NN*, but the volume is incompatible with the transport, has unreadable media, or is selected to another process.

System Action: The mount waits for you to reply "E,volser" or "I".

User Response: Reply with one of the following:

E,volser	If a different volser is to be entered or if the same volume is to be entered after resolving the error condition.
I	If the mount is to be ignored.

SLS2119I

```
Allocation record mismatch
```

Explanation: A DALM block mismatch was detected between the primary and the secondary control data set. This is a warning message that indicates that one or the other control data sets does not contain the correct record allocations.

System Action: None.

User Response: Verify that the control data sets are the proper data sets to backup. If not, obtain the correct set, and resubmit the BACKup utility.

SLS2124I

```
Manual Mount of volser on {drive XXXX|driveid AA:LL:PP:NN} -
Complete
```

Explanation: In response to an SLS2911D manual mount request or in MSP the detection of mounted volume on the transport, volume *volser* was presumed mounted by the operator on transport *XXXX|AA:LL:PP:NN*.

System Action: Normal processing continues. The volume is retained in the CDS.

User Response: None.

SLS2126D

```
Mount of volser on {drive XXXX|driveid AA:LL:PP:NN} - Volume
not in library; reply "I", "R", "T", "P", "T,capid" or
"P,capid"
```

Explanation: An attempt was made to mount volume *volser* on specified transport {*XXXX*|*AA:LL:PP:NN*} where *XXXX* = drive and *AA:LL:PP:NN* = DRIVEid, but volume *volser* was not in the library.

System Action: The mount waits until you respond or the volume is entered.

User Response: Reply with one of the following:

I	If the mount is to be ignored.
R	If the mount is to be retried.
T	If the volume required is to be temporarily entered. HSC attempts to allocate a CAP with nonzero CAPpref in the ACS in which the drive is located. HSC does not select a PCAP.
P	If the volume required is to be permanently entered. HSC attempts to allocate a CAP with nonzero CAPpref in the ACS in which the drive is located. HSC does not select a PCAP.
T,capid	If the volume required is to be temporarily entered. HSC attempts to use the CAPid specified.
P,capid	If the volume required is to be permanently entered. HSC attempts to use the CAPid specified.

Note –

- When you enter "T" or "P" without a CAPid, HSC does not select a PCAP. You must enter "T,capid" or "P,capid" to use a PCAP for entering a cartridge to satisfy the MOUNT.
- If your site does not have a tape management system, be sure to reply to this message (either I; R; T; P; T,capid; or P,capid). Otherwise, the cartridge may be selected and overwritten if a job requests a scratch after entering the volume.

SLS2149I

```
XXXX of YYYYYYYY volumes in this report meet or exceed 100% of
their warranty life, total volumes: ZZZZZZZZ
```

Explanation: A Media Warranty Life (MWL) percentage is obtained at volume dismount for tape libraries at or above LMU compatibility level 21. Of the volumes requested in this report, *XXXX* of the volumes are at or above 100% of their warranty life. *YYYYYYYY* is the number of volumes in this report that have a known MWL value. *ZZZZZZZZ* is the total number of volumes displayed in this report.

System Action: None.

User Response: None.

SLS2150I

Volume(s) *volser<-volser>* not in library

Explanation: One or more of the volumes requested for a SLUADMIN utility function was not defined in the library. If a volume range was specified on the utility command and a sequential series of volumes within that range was not found, a single message will be displayed for the series.

System Action: The utility continues processing.

User Response: None.

SLS2151I

"SUMMARY(SUBPOOL)" specified and scratch subpool definitions not available

Explanation: The "SUMMary(SUBpool)" keyword was specified on the VOLRpt utility statement, but no scratch subpool definitions were available either via an SLSSCRPL DD statement, an accessible SLSUX03 module or the SET VOLPARM definitions.

System Action: The utility continues processing. Scratch subpool totals will not be produced.

User Response: None.

SLS2152I

CCCCCCC1 keyword for *CCCCCCC2* not supported in the *CCCCCCC3* environment

Explanation: The *CCCCCCC1* keyword found on the *CCCCCCC2* utility control statement is not supported in the specific *CCCCCCC3* environment.

System Action: A return code of 8 is set and the utility terminates.

User Response: Remove the keyword from the control statement and rerun the utility in the *CCCCCCC3* environment, or run the utility in a compatible environment.

SLS2153I

Volume *volser* in cell *AA:LL:PP:RR:CC* has MEDIA-Type mismatch with database

Explanation: A SLUADMIN AUDIt utility function has encountered a library cartridge with the specified volume serial number (*volser*) at the specified location (*AA:LL:PP:RR:CC*) whose MEDIA-type specification in the control data set does not match LMU vision system results.

If the AUDIt is active with APPly(YES) specified or defaulted on the control statement, the volume's MEDIA-type specification will be altered to match the results from the LMU. If the AUDIt is active with APPly(NO) specified on the control statement, the HSC issues a warning message, and the control data set is not updated.

System Action: Depending on the APPly parameter specification, the MEDIA-type specification for the volume may be changed in the control data set.

User Response: None.

SLS2154I

```
"SUMMARY" must specify either "TOTal", "SUBpool", or both
```

Explanation: The "SUMMary" keyword was indicated for the VOLRpt utility but did not specify a value or specified an invalid value.

System Action: A return code of 8 is set, and the utility terminates.

User Response: Specify either "TOTal", "SUBpool", or "TOTal,SUBpool", on the VOLRpt utility, and resubmit the job.

SLS2155I

```
CCCCCCCC1 parameter CCCCCCCC2 already specified
```

Explanation: The *CCCCCCCC1* parameter for the *CCCCCCCC2* keyword had been previously specified.

System Action: A return code of 4 is set, and the utility continues.

User Response: None necessary; this message is for warning only.

SLS2156I

```
No more SCRTCH volumes in ACS AA
```

Explanation: The EJECt utility was run specifying a number of scratch tapes to eject. HSC ejected all available scratch tapes within the ACS (*AA*) but did not have enough to completely satisfy the request.

System Action: The EJECt utility terminates with a return code of 4.

User Response: Perform another SCRTCH eject against a different ACS.

SLS2157I

```
Unable to obtain storage for volume table
```

Explanation: There is insufficient storage to obtain a table to store requested volume information. This applies to the VM environment ONLY.

System Action: The VOLRpt utility terminates with a return code of 8.

User Response: Either define a larger virtual machine size (at least four megabytes is recommended), or reduce the amount of data requested.

SLS2158I

```
SLSVA DD missing, data reported may be incorrect
```

Explanation: The SLSVA DD is needed when the volsers being reported are a mix of media types and recording techniques. When all volsers have the same media and recording technique, this message can be ignored. If mixed media types are involved, then the SLSVA DD should be supplied for the file containing the VOLATTR statements. If the SYSVA data set was to be determined from HSC, either HSC was inactive or was not at the same release level as the SLUADMIN program running VOLRPT.

System Action: The utility continues processing. Reported data may be incorrect.

User Response: Supply the SLSVA DD for the VOLATTR statements or set volume attributes via the SET VOLPARM utility.

SLS2159I

CCCCCCC of volume *volser* - Access denied

Explanation: An attempt to access a volume was denied by user exit 14.

System Action: The utility continues without processing the volume. A return code 4 is set by the *CCCCCCC* utility.

User Response: None.

SLS2160I

volser not ejected, MEDIA MISCOMPARE

Explanation: During eject processing, a volume to be ejected was found to have a miscompare between the media information in the CDS and the media information returned by the LMU. The following messages may also be issued by the HSC at the console: SLS0698I, SLS0699I.

System Action: EJect continues without ejecting the cartridge. Condition code 4 is set.

User Response: The AUDIt utility should be run to correct the media mismatch.

SLS2169I

CCCCCCCC1 (*CCCCCCCC2*) must have *CCCCCCCC3*

Explanation: The data set *CCCCCCCC2* defined by the DD statement *CCCCCCCC1* was found not to have the necessary DCB attribute *CCCCCCCC3*.

System Action: A return code of 8 is set, and the utility terminates.

User Response: Ensure that the DD/FILEDEF statement specifies the proper DCB attributes and rerun the utility.

SLS2182I

Input CDS from *CCCCCCCC* CDS level *RRRRRRRR* is inconsistent with utility maintenance level

Explanation: The input CDS, which is at release level *RRRRRRRR* cannot be used with the utility maintenance level. *CCCCCCCC* is the data set name.

System Action: The program terminates.

User Response: Resubmit the utility job using a load library for an HSC release level compatible with the current CDS.

SLS2184I

DATABASE ERROR: *CCCCCCCCCCCC1* ON *CCCCCCC2* CDS, RECORD *DDDDDDD*
1 OF BLOCK *DDDDDDD2* IN SUBFILE *SSSS*

Explanation: A database error occurred on the *CCCCCCCC2* control data set. The
error information is contained in *CCCCCCCCCCCC1*. *DDDDDDD2* identifies the
relative block number where the error occurred, and *DDDDDDD1* identifies the
record number within the block. (*DDDDDDD1* may have a value greater than the
number of actual records within the block for some CDS record types). *SSSS*
identifies the subfile that contains the block and record in error.

If the error is 70787078 (length mismatch), the error may be because: 1) the record
length of a variable-length CDS record is incorrect and is less than the minimum
length allowed, 2) the record length of a variable-length CDS record is incorrect and
is greater than the maximum length allowed (as defined in the directory entry for the
CDS record), or 3) the length in the directory entry is incorrect and is less than the
length of the CDS record.

If the error is 70847084 (subfile not found), it may be because one of the parameters
in the utility control statement is out of bounds. An example of an out of bounds
condition causing this error is if you specified LSM(00:06)for a library that only has
one LSM. For any other conditions, there is a possibility of a CDS integrity error on
the *CCCCCCCC2* control data set.

System Action: The utility will go to normal termination with a return code of 8.

User Response: If the problem is an invalid parameter, correct the parameter and
rerun the desired utility. If the problem is a length mismatch and the directory entry
length is incorrect, run the Directory Rebuild utility to correct the length, then rerun
the desired utility. For other error reasons, make a copy of the CDS as it currently
exists for diagnostic purposes, then restore the respective CDS(s) and rerun the
desired utility. If this error persists, call customer support with the appropriate
information.

SLS2189I

WARNING: CAP *CCCCCCC1* unexpectedly released during *CCCCCCC2*
CCCCCCC3 processing

Explanation: CAP *CCCCCCC1* had been released when the *CCCCCCC3* process of
the *CCCCCCC2* utility expected it to be allocated.

System Action: A return code of 8 is set and the utility either continues or
terminates, depending on the process *CCCCCCC3*.

User Response: If possible, the user should rerun the utility ensuring that the CAP
which is allocated is NOT released prematurely.

SLS2195I

XXXXXXXX command rejected; CAPid *AA:LL:CC* is in AUTOMATIC mode

Explanation: A utility was run with a specific CAPid. That CAP is currently not
available because it is in AUTOmatic mode.

System Action: None.

User Response: Rerun the utility specifying a different CAP, or take the CAP out of
AUTOmatic mode.

SLS2197I

CAPid *AA:LL:CC* is offline

Explanation: A SLUADMIN utility function required a functional path to a specific CAPid (*AA:LL:CC*) but found the CAP offline to the host where the utility was executed.

System Action: The utility terminates processing.

User Response: Bring the CAP online to this host (see MODify command), and resubmit the SLUADMIN utility job.

SLS2198I

HSC Subsystem maintenance level is not correct for this utility

Explanation: HSC Subsystem maintenance level is not correct for this utility. A SLUADMIN utility function requires that the HSC subsystem and the utility modules are a certain release or PUT level.

System Action: The utility terminates processing.

User Response: Ensure that the HSC and utility load libraries are the same library concatenation. The user should select the libraries associated with the HSC currently running. Resubmit the job once the load library correction has been made.

SLS2200I

Warning: Volume *volser* Media-type compare failed between VOLATTR and cartridge label

Explanation: A SLUADMIN utility function has encountered a library cartridge with the specified volume serial number (*volser*). The robotics found the volume label to be of a Media-type that does not match the VOLATTR control statement Media-type specification.

System Action: None. This is a warning/informational message only.

User Response: Check to ensure that the VOLATTR Media-type specification or the volume Media-type label is correct.

SLS2201I

(*...error text...*)

Explanation: A specified value is invalid or an incompatibility exists between model, unit, media, and/or recording technique information for a request. Valid error text messages include:

RECTECH is incompatible with UNIT

> The value specified for the RECtech parameter is not compatible with the drive specified for the unit.

MODEL is incompatible with UNIT

> The value specified for the MODel parameter is not compatible with the drive specified for the unit.

MEDIA is incompatible with UNIT

> The value specified for the MEDia parameter is not compatible with the drive specified for the unit.

UNIT is incompatible with both MEDIA and RECTECH

> The drive specified for the unit is not compatible with the MEDia or RECtech values.

UNIT is incompatible with both MEDIA and MODEL

> The drive specified for the unit is not compatible with the MEDia or MODel values.

MEDIA is incompatible with RECTECH

> The value specified for the MEDia parameter is not compatible with the value specified for the RECtech parameter.

MEDIA is incompatible with MODEL

> The value specified for the MEDia parameter is not compatible with the value specified for the MODel parameter.

RECTECH is incompatible with both UNIT and MEDIA

> The value specified for the RECtech parameter is not compatible with the drive and MEDia parameters.

MODEL is incompatible with both UNIT and MEDIA

> The value specified for the MODel parameter is not compatible with the drive and MEDia parameters.

MEDIA is incompatible with both UNIT and RECTECH

> The value specified for the MEDia parameter is not compatible with the drive and RECtech parameters.

MEDIA is incompatible with both UNIT and MODEL

> The value specified for the MEDia parameter is not compatible with the drive and MODel parameters.

MEDIA, RECTECH and UNIT are all incompatible

> The values specified for MEDia, RECtech and the drive parameters are not compatible with each other.

MEDIA, MODEL and UNIT are all incompatible

> The values specified for MEDia, MODel and the drive parameters are not compatible with each other.

MEDIA is invalid

> The value specified for the MEDia parameter is unknown or incorrect.

RECTECH is invalid

> The value specified for the RECtech parameter is unknown or incorrect.

MODEL is invalid

> The value specified for the MODel parameter is unknown or incorrect.

MEDIA and RECTECH are invalid

> The values specified for the MEDia and RECtech parameters are unknown or incorrect.

MEDIA and MODEL are invalid

> The values specified for the MEDia and MODel parameters are unknown or incorrect.

UCB/LMU Drive type mismatch; UCB device type assumed

> The MSP UCB indicated a device type which is not compatible with the LMU device type. HSC will assume the UCB device type for this operation.

UCB/LMU UNITATTR Drive type mismatch; UCB/LMU type assumed

> The UNITATTR for the device does not match what the UCB or LMU indicates. HSC will use the type of device that the UCB/LMU indicates.

System Action: The utility terminates without further action.

User Response: Correct the situation described in the error message, and resubmit your job.

SLS2202I

No scratch volumes (MEDIA/RECTECH); Scratch Redistribution will
not run

Explanation: The SLUADMIN utility determined that there are no scratch volumes available within the ACS that match the specified MEDia and/or RECtech criteria.

System Action: The utility terminates without further action.

User Response: Use the SCRAtch utility to define scratch volumes in the ACS, then resubmit the SLUADMIN utility job.

SLS2203I

Volume *volser* in cell *AA:LL:PP:RR:CC* has unreadable MEDIA
label

Explanation: A SLUADMIN AUDIt utility function has encountered a library cartridge with the specified volume serial number (*volser*) at the specified location (*AA:LL:PP:RR:CC*) that has an unreadable external MEDia label.

If the audit is active with APPly(YES) specified or defaulted on the control statement, the volume entry in the control data set is updated to reflect this fact. If the audit is active with APPly(NO) specified on the control statement, the HSC issues a warning message and the control data set is not updated.

System Action: Depending on the APPly parameter specification, the volume entry in the control data set will be updated.

User Response: Determine the reason the MEDia label is unreadable.

SLS2204I

Volume *volser* in cell *AA:LL:PP:RR:CC* is not in control
database.
MEDIA label unreadable

Explanation: A SLUADMIN AUDIt utility function has encountered a library cartridge with the specified volume serial number (*volser*) at the specified location (*AA:LL:PP:RR:CC*) that is not in the control data set. However, the external MEDia label on the cartridge is unreadable.

If the audit is active with APPly(YES) specified on the control statement, the cartridge will be ejected. If the audit is active with APPly(NO) specified on the control statement, the HSC issues a warning message.

System Action: Depending on the APPly parameter specification, the volume may be ejected from the library.

User Response: Examine cartridge to determine cause of unreadable external MEDia label.

SLS2205I

No more SCRTCH volumes (MEDIA/RECTECH) in ACS *AA*

Explanation: The SLUADMIN utility determined that there are no scratch volumes available within ACS *AA* that match the specified MEDia and/or RECtech criteria.

System Action: The utility terminates without further action.

User Response: If you want this utility to continue, use the SCRAtch utility to define scratch volumes in the ACS with the correct MEDia and RECtech criteria, and resubmit the SLUADMIN utility job.

SLS2206I

Error ejecting Volume *volser* with unreadable MEDIA in cell
AA:LL:PP:RR:CC

Explanation: A SLUADMIN AUDIt utility was unable to eject volume (*volser*) at cell
AA:LL:PP:RR:CC that is not in the control data set and has an unreadable MEDia
external label. An attempt was made to eject the cartridge, but the AUDIt
encountered an LMU error and was unable to eject the cartridge.

System Action: The situation is treated as a condition code 4 error; the AUDIt job
continues.

User Response: If an error persists, contact your local StorageTek Software CSE. The
tape may have to be removed by EJect command.

SLS2207I

BALTOL parameter value invalid

Explanation: The BALtol parameter is not within the specified type or range of
values.

System Action: The utility terminates without further action.

User Response: Permissible value for the BALtol parameter are 1 through 999
(inclusive). Correct the BALtol parameter value and resubmit the SLUADMIN
utility job.

SLS2208E

VERIFY parameter invalid

Explanation: The VERIFY parameter was specified with an invalid program.

System Action: The JOB will end with a return code 8.

User Response: Remove the VERIFY parameter or change the program name to
TMSTPNIT for CA1 Tape Initialization.

SLS2250I

Attempting cleanup of CAP *AA:LL:CC*

Explanation: Cleanup is being attempted for CAPid *AA:LL:CC*.

System Action: The CAP is scanned.

User Response: None.

SLS2251A

CAP ejecting; please empty cartridges out of CAP *AA:LL:CC*

Explanation: When attempting to get a CAP for processing, volumes were found in
the selected CAP. The volumes must be removed before processing can continue.

System Action: CAP processing waits.

User Response: Open the CAP door, remove the cartridges, and close the CAP door.

SLS2252A

```
CAP processing terminating; please empty cartridges out of CAP
AA:LL:CC
```

Explanation: The library subsystem is attempting to shutdown, but a CAP was in use.

System Action: Termination processing waits.

User Response: Open the CAP door, remove the cartridges, and close the door.

SLS2253I

```
LMU error XXXXXXXX ACS AA
```

Explanation: The HSC had an error *XXXXXXXX* issuing requests to ACS *AA*.

System Action: Processing continues.

User Response: Contact StorageTek Software Support.

SLS2254A

```
Empty CAP AA:LL:CC and close door
```

Explanation: At the beginning or termination of CAP processing, the CAP was found to contain cartridges, and those cartridges must be removed.

System Action: Processing waits.

User Response: The CAP door must be opened, the cartridges removed, and the CAP door closed.

SLS2255I

```
Module CCCCCCCC ABEND XXXXX, RC=XXXXXXXX; ZZ dump taken
```

Explanation: A CAP component software failure occurred. *CCCCCCCC* is the abending module; *XXXXX* is the System or User abend code; *CCCCCCCC* is the reason code; and *ZZ* will be "No" if no dump was taken or spaces if a dump was taken.

System Action: Application error handling routines attempt to resolve the problem.

User Response: Save any dumps taken. Contact StorageTek Software Support.

SLS2256I

```
Automatic CAP Service {Available|Unavailable}
```

Explanation: An attempt was made to execute a CAP component feature supporting the Automatic CAP service. The Automatic CAP service may be available even though no ACSs are connected. A reply of Unavailable indicates this service is not functioning. Therefore, CAPs in the "automatic" state will not process an automatic ENter.

System Action: HSC continues to function but without the Automatic CAP service.

User Response: If the Automatic CAP service is Available no response is needed.

If the Automatic CAP service is Unavailable you may set the CAP to manual mode and continue. Determine the cause of the problem and correct it, if possible. If accompanied by a dump, save the dump and contact StorageTek Software Support.

To reactivate Automatic CAP services, stop and restart the HSC.

SLS2257I

```
Return code CCCCCCC1 from CCCCCCC2; unable to make CAP
AA:LL:CC CCCCCCC3
```

Explanation: Operation *CCCCCCC2* failed on CAP *AA:LL:CC*, and the CAP could not be put into a *CCCCCCC3* (MANual or AUTO) state. *CCCCCCC1* is the return code from operation *CCCCCCC2*.

System Action: The specified CAP is not put into the *CCCCCCC3* state; execution continues.

User Response: Determine the reason for the return code and, if possible, correct and retry the command.

SLS2259A

```
CAP AA:LL:CC unlocked; Magazine(s) installed improperly or CAP
not closed completely
```

Explanation: Either there are no magazines in CAP *AA:LL:CC*, the magazines are installed incorrectly, or the CAP is not closed completely. The CAP must contain at least one magazine, and unless the CAP is an SL8500 CAP, it must be in the bottom position in the CAP.

System Action: The system waits until the operator has opened and closed the CAP door. Then, the CAP is scanned again to ensure that the magazine(s) have been installed correctly. If the problem has not been corrected, this message is re-issued.

User Response: If the CAP contains no magazines, insert at least one. For the SL8500 CAP, the magazine can be placed at the top, middle or bottom position. For all other CAPs, insert the magazine(s) starting at the bottom of the CAP; if there is an empty magazine slot below any magazine, move that magazine down to fill the gap. Then close the CAP door completely.

Note – A magazine without the "N" symbol on its top right corner is not recognized by WolfCreek LSMs. If one of these magazines is installed in the bottom position in a WolfCreek CAP, it causes this message to be issued. If one of these magazines is installed in a WolfCreek CAP but not in the bottom position, this message is not issued; however, only magazines beneath that one will be used.

SLS2260I

```
Auto CAP Enter of volser failed; {LSM PATH OFFLINE|ACS
OFFLINE|CARTRIDGE MADE ERRANT|CAP OFFLINE|CAP ID INVALID}
```

Explanation: Volume *volser* was not entered because:

■ the LSM Path, ACS, LSM, or CAP were offline, or
■ the CAPid was invalid or Cartridge Made Errant.

System Action: The system operation continues. Volume *volser* remains in the CAP.

User Response: Make certain that the LSM path, ACS, LSM, and CAP are online; then retry the operation.

SLS2261I

```
Auto CAP Enter - unexpected Return Code XXXXXXXX
```

Explanation: Auto CAP enter unexpected return code *XXXXXXXX* was received.

System Action: The auto CAP enter operation is not completed. However, system operation continues.

User Response: Contact StorageTek Software Support.

SLS2262I

```
Return code CCCCCCC1 from CCCCCCC2; CAP AA:LL:CC is unlocked
```

Explanation: The specified operation (*CCCCCCC2*) failed trying to lock CAP *AA:LL:CC*. Return code *CCCCCCC1* was issued.

System Action: The specified CAP is not locked from this host but is still set to manual mode in the CDS; execution continues.

User Response: You may need to open and shut the specified CAP door.

SLS2263I

```
CAP AA:LL:CC in {AUTO|MANUAL} mode
```

Explanation: CAP *AA:LL:CC* is now in the indicated mode (AUTO or MANual). If the indicated mode is AUTO, the CAP is unlocked and available for entering cartridges. If the indicated mode is MANual, you must issue the ENter command to unlock the CAP in order to enter cartridges.

System Action: The CAP is locked if the mode is MANual and unlocked if the mode is AUTO.

User Response: None.

SLS2264E

```
Auto CAP AA:LL:CC still active; CAP component termination
pending
```

Explanation: During HSC level 2 termination, Auto CAP *AA:LL:CC* was still in active status.

System Action: HSC level 2 termination waits until Auto CAP *AA:LL:CC* is no longer active.

User Response: Ensure that the CAP door is closed. If the CAP is in recovery respond to any prior messages requesting removal of cartridges from the CAP.

SLS2266E

```
Cartridge volser in  CAP cell AA:LL:CC:RR:CC has an invalid
media label and cannot be entered
```

Explanation: A cartridge (*volser*) has been found in CAP cell *AA:LL:CC:RR:CC* with an unreadable optical media label and cannot be entered.

System Action: Cartridge entry leaves the cartridge in the CAP cell in which it is found and continues with the next cartridge in the CAP.

User Response: Remove the cartridge from the CAP. If the cartridge must be entered, correct the media label.

SLS2267I

```
Eject of volser into PCAP - media type changed from MM1 to MM2
```

Explanation: The initial attempt to eject volume *volser* into a PCAP failed with a media miscompare.

A media miscompare error occurs when the HSC-supplied media type to be verified (*MM1*) did not match the media type read by the vision system (*MM2*). The LMU reports the mismatch to the HSC as a media miscompare error. Media miscompare errors occur only when the HSC requests the LMU to perform media verification.

System Action: The media type for the volume in the Control Data Set (CDS) is changed to the media type read by the vision system. The eject is automatically retried.

This message is issued only when media verification is in effect, and media verification is done when the eject is automatically retried. If a miscompare occurs again the eject will fail and the PCAP will be released.

User Response: If *MM1* and *MM2* are the same, a hardware problem with the LMU or vision system may exist. If the automatically retried eject fails, try to eject the volume into a non-PCAP. If the retried eject is successful, no response is necessary.

SLS2268I

```
CAP reserved to another host group; unable to make CAP
AA:LL:CC AUTO
```

Explanation: Another host group, such as ACSLS, has reserved CAP *AA:LL:CC*, and the CAP could not be put into the AUTO state.

System Action: The specified CAP is not put into the AUTO state; execution continues.

User Response: Wait for the other host group to release the CAP; or, use the other host group software or the hardware mechanism to free the CAP.

SLS2269E

```
CAP AA:LL:CC still active; CAP component termination pending
```

Explanation: During HSC level 2 termination, CAP *AA:LL:CC* was still in active status.

System Action: HSC level 2 termination waits until CAP *AA:LL:CC* is no longer active.

User Response: Ensure that the CAP door is closed. If the CAP is in recovery respond to any prior messages requesting removal of cartridges from the CAP.

SLS2275I

CAP *AA*:*LL*:*CC*: unavailable for *CCCCCCC1* *CCCCCCC2*

Explanation: CAP *AA:LL:CC*: had been unexpectedly released during a previous process for *CCCCCCC1* and is hence unavailable for the *CCCCCCC2* process. This message may accompany message SLS2189I.

System Action: The indicated phase of the utility is bypassed.

User Response: If possible, the user should rerun the utility ensuring that the CAP which is allocated is NOT released prematurely.

SLS2276I

Drive *XXXX* is incompatible with media for volume *volser*

Explanation: The CARTINIT utility attempted to mount volume *volser* on the specified transport *XXXX*, but the tape media and transport are incompatible.

System Action: The system ejects the cartridge and continues with the next one.

User Response: On the SLSTAPE DD statement, specify a transport that matches the media being initialized.

SLS2277I

RECONFIG volume copy started using *DDDDDDDD*

Explanation: The *DDDDDDDD* method is being used for the RECONFIGuration volume copy. *DDDDDDDD* may be CDS I/O or Data Space. The data space method offers improved performance.

System Action: The utility continues.

User Response: None.

SLS2278D

Creation of the RECONFIG utility Data Space failed - *MMMMMMMM* - *CC* - *RRRRRRRR*; reply CDS or Terminate (C/T)

Explanation: *MMMMMMMM* is the IBM macro call that failed creating the Reconfiguration utility data space. *CC* is the return code that describes the failure. *RRRRRRRR* is the reason code that describes the failure. Refer to the appropriate IBM documentation for an explanation of the return/reason code.

If the failing macro is DSPSERV with a 08 return code and a reason code of xx0005xx, the size of the data space violates installation criteria (IEFUSI exit). This indicates that the HSC is not running in Protect Key 1-7. Check the MSP Program Properties Table in the SCHEDxx member of SYS1.PARMLIB for proper specification of the Protect Key for HSC.

System Action: The RECONFIGuration utility waits until you reply with either CDS (C) or Terminate (T).

User Response: Reply with one of the following:

C	If the RECONFIGuration utility is to continue using the CDS I/O method for the volume copy step. This will lengthen the run time of the utility.
T	If the RECONFIGuration utility is to terminate.

SLS2279E

RECDEF data set is not a newly recreated CDS

Explanation: The reconfiguration utility found volume records in the RECDEF CDS. The RECDEF CDS must be a newly created CDS.

System Action: The reconfiguration utility terminates with return code of 08.

User Response: Run the SLICREAT utility to create a new CDS.

SLS2280I

Volume *VVVVV* selected after SCRATCH command USETOKN

Explanation: The *VVVVV* volume was specified in a scratch command. However, the select date and time of the physical volume, or last used date and time of the VTV, is later than the supplied token in the scratch command.

System Action: The volume is not scratched. If the volume remains in a scratch status in the tape management system, a subsequent scratch synchronization run will scratch the volume.

User Response: None.

SLS2314I

CAP *AA*:*LL*:*CC* released or drained

Explanation: The EJECt utility found that an allocated CAP *AA*:*LL*:*CC* was released or drained.

System Action: The utility continues if other CAPs are active.

User Response: None.

SLS2316I

Volume *volser* not ejected; CAP(s) released in ACSid *AA*

Explanation: The EJECt utility found that all allocated CAPs in ACSid *AA* were released or drained.

System Action: The utility continues if CAPs in other ACSs are active.

User Response: None.

SLS2317I

Unexpected EOF reading journal specified by SLSJRN*dd* DD
statement

Explanation: The RESTore utility encountered the end-of-file condition while attempting to read the journal file SLSJRN*dd*. (*dd*=01 - 99.)

System Action: The utility terminates with a U1096-0202 abend.

User Response: Check to see that the specified journal file was properly formatted. If it was not, then use SLICREAT to format the journal file.

If the specified journal file is properly formatted, then contact StorageTek Software Support.

SLS2318I

Volume *VVVVV* is a VSM MVC cartridge; Cannot be entered into
scratch list

Explanation: A SLUADMIN SCRAtch Update utility attempted to add a specified volume serial number (*VVVVVV*) to the library scratch pool, but the Volser qualifies as a VSM MVC cartridge and cannot be treated as a scratch volume.

System Action: The utility continues processing.

User Response: The error does not cancel the SCRAtch Update utility, but you may want to check the specified volume serial number, correct it, and resubmit the SLUADMIN scratch update job.

SLS2319I

Volume *VVVVV* already defined in VSM as scratch

Explanation: A SLUADMIN SCRAtch Update utility attempted to add a specified volume serial number (*VVVVVV*) to the VSM scratch pool, but the Volser was already defined as scratch.

System Action: The utility continues processing.

User Response: The error does not cancel the SCRAtch Update utility, but you may want to check the specified volume serial number, correct it, and resubmit the SLUADMIN scratch update job.

SLS2320I

Volume *VVVVV* not defined in VSM as scratch

Explanation: A SLUADMIN SCRAtch Update utility attempted to remove a specified volume serial number (*VVVVVV*) from the VSM scratch pool, but the volume was not defined as a scratch volume.

System Action: The utility continues functioning.

User Response: This error does not cancel the SCRAtch Update utility, but you may want to check the specified volume serial number and resubmit the SLUADMIN scratch update job.

SLS2321I

Volume *VVVVV* successfully added to VSM as scratch

Explanation: A SLUADMIN SCRAtch Update utility has added the specified volume serial number (*VVVVVV*) to the VSM scratch pool.

System Action: HSC processing continues.

User Response: None.

SLS2322I

Volume *VVVVV* successfully added from VSM scratch pool

Explanation: A SLUADMIN SCRAtch Update utility has deleted the specified volume serial number (*VVVVVV*) from the VSM scratch pool.

System Action: HSC processing continues.

User Response: None.

SLS2323I

Volume *volser* is not eligible to be scratched: *reason*

Explanation: A SLUADMIN SCRAtch Update utility attempted to add a specified volume serial number (*volser*) to the library scratch pool, but the volser has been set as not eligible to be scratched.

The request was denied for one of the following reasons:

- The volser has been set into the 'DO NOT SCRATCH' state because is was previously defined as an MVC.
- The volser is defined as being in an external pool by a POOLPARM statement and the OWNRPLEX value did not match to the issuing tapeplex.

System Action: The utility continues processing.

User Response: The error does not cancel the SCRATch Update utility, but you may want to check the specified volume serial number (*VVVVVV*), correct it, and resubmit the SLUADMIN SCRAtch update job.

SLS2324I

Volume *volser* not scratched, DFSMSRMM API Error, *FFFFFFFFF*, RC=*xx*, RS=*yy*

Explanation: A SLUADMIN SCRAtch Update utility has attempted to scratch the specified volume serial number (*volser*) but was unable to because DFSMSrmm returned a non zero return code. *FFFFFFFFF* is the RMM function that failed. The function will be either LISTVOLUME or CHANGEVOLUME. Reference the DFSMSRMM documentation to find the meaning of the return code *xx* and the reason code *yy*.

System Action: The utility continues functioning.

User Response: This error does not cancel the SCRATch Update utility. Correct the problem and re-run the SCRATch Update utility for this volser.

SLS2325I

Volume *volser* not scratched because it is not a scratch in the DFSMSrmm database.

Explanation: A SLUADMIN SCRAtch Update utility has attempted to scratch the specified volume serial number (*volser*) but was unable to because the volume was not in scratch status in the DFSMSrmm control data set.

System Action: The utility continues functioning.

User Response: This error does not cancel the SCRATch Update utility. When the volume is placed in scratch status in the DFSMSrmm control data set then re-run the SCRATch Update utility for this volser.

SLS2326I

`VTV VVVVV not scratched because of status change`

Explanation: When attempting to scratch VTV *VVVVVV*, VTCS found that the status of the VTV had changed since the command was originally issued.

System Action: The VTV has not been scratched.

User Response: None. This is only a warning. Because there may be a significant delay between the time that the request is validated and the time that the scratch command is attempted, it is quite possible for another request to update the VTV record and thus invalidate the scratch request.

The following may cause a VTV status change if it occurs after validation is performed and before the scratch request is attempted:

- the VTV is mounted, but not dismounted.
- the VTV is read/written (hence mounted and dismounted) by an application program.

SLS2401I

```
User SCRATCH subpool definition unsuccessful -
CCCCCCCCCCCCCCCCCCC2
```

Explanation: User SCRATCH subpool definition is unsuccessful. The reason is given by *CCCCCCCCCCCCCCCCCCC2*, and may be any one of the following:

Bad number of subpools: *n*

The user attempted to define more than the maximum of 255 subpools, or zero subpools. *n* is the number of subpools specified.

Subpool defined out of order: *n*

The user attempted to define subpools out of order. The subpool numbers presented to HSC must be sequential beginning with 1. *n* is the number of the first subpool which is defined out of sequence.

Bad number of subpool entries: 0

The user attempted to define zero subpool ranges.

Bad volser range: *vvvvv1-vvvvv2*

The user attempted to define a subpool with an invalid VOLSER range. The beginning and ending volsers of the invalid range are shown as *vvvvv1* and *vvvvv2*.

Bad label type: X"*xx*"

The user attempted to define a subpool with an invalid label type. The invalid label type is shown in hexadecimal as *xx*.

Subpools already defined

The user attempted to define subpools a second time. HSC allows subpools to be defined only once during a single execution.

Expected entry number exceeded

The user attempted to define a new scratch subpool volser range but the number of specified volser ranges has been exceeded.

Expected subpool number exceeded

The user attempted to define a new scratch subpool but the number of specified subpools has been exceeded.

Invalid host list definition: n

The user attempted to define a host list using a VER1 SLSUX03P parameter list, but the host list specification was incorrect. n is the number of the subpool defined with the incorrect host list definition.

System Action: Subpools are not defined.

User Response: Correct the invalid subpool definition and resubmit the definitions to HSC. This requires stopping and starting HSC unless the definitions are being submitted through the VM Tape Management Interface.

SLS2402E

```
Scratch Pool Depletion Warning for ACS AA|LSM AA:LL {Subpool
CCCCCCC1} {Media CCCCCCC2}, DDDDDDDDDD Scratch Volumes
remaining
```

Explanation: The scratch warning threshold/interval has been reached for media type *CCCCCCC2*. The specified ACS (*AA*) or LSM (*AA:LL*) has (*DDDDDDDDDD*) scratch volumes remaining. If the threshold was specified for a subpool, the subpool is also identified by *CCCCCCC1*.

This message is first issued when the scratch pool has reached the initial scratch warning level. The message is repeated whenever the scratch pool is depleted by the scratch interval amount. (See the Warn and OPTion Warnmsg commands for more details on scratch thresholds and warning intervals.)

System Action: The ACS or LSM is running low on scratch volumes as specified by the user via the Warn command. When all scratch volumes have been used, the HSC attempts to allocate scratch mount requests to non-library transports.

User Response: Add more scratch cartridges to the ACS or LSM scratch pool for the correct media type (by running the SCRAtch update utility function), or lower the scratch warning threshold.

SLS2405E

```
Configuration manager (FIGMGR) Error: Program - CCCCCCCC1,
Function - CCCCCCC2, Level - CCC3, Type - CCCCCC4, RC - XXXX
```

Explanation: The HSC Configuration Manager reported an unexpected error condition.

System Action: The task is abended, and a dump is produced.

User Response: Save the dump. Contact StorageTek Software Support.

SLS2412I

```
Previously unselected volume VVVVVV incurred an error while
the record was being CCCCCCCCCCCCCCCCCCCC
```

Explanation: Volume *VVVVVV* had the UNSElect utility run against it sometime prior to the *CCCCCCCCCCCCCCCCCCCC* action.

The process encountering the error had the volume selected when the utility unselected the volume.

The *CCCCCCCCCCCCCCCCCCCC* action is defined as follows:

- Unselected
- Made errant
- Updated
- Inserted as scratch
- Deleted

System Action: The action is not completed. There might also be a subsequent U1096 abend with a return code 4004, "volume not selected".

User Response: The U1096 abend return code 4004 is the residual affect of a user action and is not applicable to the present volume circumstance. The conditions of the cartridge need to be determined and corrective action may be necessary. Scan the system logs to find out what the last system action against the volume was prior to this message. Display the volume to determine where HSC believes the cartridge is located. With this information use the VIew command to check each of the potential cartridge locations. If a VIew shows it is not in its home cell and a Display Volume shows it is in its home cell but it is unselected, two primary paths of resolution are present.

The first is that a VIew accounted for the physical location of the volume in the library based on system log messages or actions taken. If the volume is on a transport in MSP, you must issue an Unload command for the transport; and if it is online, the Unload command delays unloading the device until it is no longer allocated. If it is not online to any system, issue an HSC DISMount command without the volser. In VM, if the device is ATTACHed to the tape management virtual machine (such as VMTAPE), issue an HSC DISMount without the volser. If the device is not ATTACHed to any virtual machine, you should attempt to ATTACH the device to some virtual machine and then DETACH it which unloads the tape. If the transport is assigned to another system, the ATTACH fails. If the volume is in a CAP, input an HSC ENter command to allocate the CAP and then remove the cartridge. Follow the procedure below to logically remove the volume reference from the control data set. If the volume is in an inaccessible location due to a hardware failure, (PTP, Transport, CAP, LSM), contact StorageTek Hardware Support.

The second is that the volume was removed from the LSM during CAP processing or manual mode and is external to the library. This can usually be corrected by running an AUDIt against the cell. Another method is to perform an HSC EJect or Mount command against the volume and reply to the subsequent message to eject or delete the "logical" volume reference from the control data set.

SLS2413I

```
VOLUME/POOL definitions updated by SET VOLPARM; *DEF commands
ENABLED|DISABLED
```

Explanation: The volume and pool definitions are updated by the SET VOLPARM utility. This message is displayed on HSC initialization and when the SET VOLPARM utility is run.

System Action: The following VOLUME/POOL definitions are updated:

- VOLATTR
- MVC POOL
- SCRATCH POOL

The *DEF commands are allowed (ENABLED) or not allowed (DISABLED).

User Response: None.

SLS2414E

```
Error reading VOLPARM data; old commands allowed
```

Explanation: An error occurred while reading the data for the VOLUME/POOL definitions. See the previous messages for the type of error.

System Action: The old style VOLUME/POOL definitions commands are allowed:

- VOLPDEF
- MVCDEF
- SCRPDEF

User Response: Investigate the cause of the I/O error and make corrections.

SLS2415E

```
Error parsing VOLPARM data; old commands allowed
```

Explanation: An error occurred while parsing the data for the VOLUME/POOL definitions. See the previous messages for the type of parsing error.

System Action: The old style VOLUME/POOL definitions commands are allowed:

- VOLPDEF
- MVCDEF
- SCRPDEF

User Response: Investigate the cause of the parsing error and make corrections. Check recent maintenance for updates to the SET VOLPARM utility.

SLS2416I

```
VOLPARM VOLUME/POOL definitions are not active
```

Explanation: The VOLPARM VOLUME/POOL definitions are not active. The CDSDATA information for the following are not available:

- CDSDATA TYPE=VOLPOOL
- CDSDATA TYPE=MVCPOOL
- CDSDATA TYPE=SCRPOOL

System Action: None.

User Response: Run the SET VOLPARM utility to activate the VOLUME/POOL definitions.

SLS2450E

```
Error reading control database - RC = XXXX
```

Explanation: A Configuration Control function received an error return code from the Data Base Server and could not proceed.

System Action: The Configuration Control function is aborted. This may cause other top level functions to be aborted as well.

User Response: Check the device containing the control data set. If the device is operational, obtain the most recent backup of the control data set and run a SLUADMIN RESTore utility.

SLS2459I

```
Panel Mismatch - LSM AA:LL


                    1111111111
Panel Number 01234567890123456789
LMU Status CCCCCCCCCCCCCCCCCCCC
           XXXXXXXXXXXXXXXXXXXX
CDS Status CCCCCCCCCCCCCCCCCCCC
           XXXXXXXXXXXXXXXXXXXX
```

Explanation: The Configuration Control verification function detected a mismatch between the panel type definitions in the LMU and those found in the control data set for LSM *AA:LL*. Each status area contains two lines of characters, where the first line represents the high order of a panel type, and the second line represents the low order. Each high-order "C" and low-order "X" will be replaced by the following characters:

blank	no panel
	High Capacity LSMs (4410, 9310)
00	PowderHorn Window panel
01	cell panel
02	cell (panel 10) adjacent to door
03	door panel
04	passthru right panel (a master PTP panel, unless connected to panel 2 on a WolfCreek)
05	passthru slave panel
06	normal drive panel
07	drive (panel 10) adjacent to door
08	LCU Panel (panel 0)
09	Clipper door panel (panel 11)
10	inside cell (panels 13-18)
11	inside cell (panel 19)
12	inside door (panel 12)
13	wide drive panel (configured for 20 drives)
14	wide drive panel (configured for 20 drives) adjacent to door (panel 10) *WolfCreek LSMs (9360)*
20	panel 0
21	panel 2 with slave passthru
22	panel 0 with master passthru
23	panel 1 without drive
24	panel 1 with drive

25	panel 2
26	panel 2 with master passthru
27	panel 3
28	panel 3 with drives
29	panel 4 with 1 CAP
30	panel 4 with 2 CAPs
31	panel 3 without cells
32	panel 3 with drives without cells
33	panel 3 with viewing window
34	panel 3 with drive hole without drive
35	panel 4 with 1 CAP without cells
36	panel 4 with 2 CAPs without cells
37	panel 4 with CAP without optional cells *97XX LSMs (9740)*
40	9740 panel with no cells (door with a window)
41	9740 panel with 4 columns of cells and no passthru port (panel 0 or door with cells)
45	9740 CAP panel
46	9740 drive panel
47	9740 panel with slave passthru port (panel 0)
48	9740 panel with master passthru port (panel 2)
99	unknown panel type for the LMU

System Action: Configuration Control verification continues in order to report on all mismatches. The HSC remains up, but the station (LMU) stays offline.

User Response: A comparison of the two status areas shows where the differences in LSM panel configurations are. Based on the actual physical configuration, (1) change the LIBGEN parameters to correspond to the LMU configuration and regenerate the control data set with another LIBGEN, (2) have the StorageTek Software CSE change the LMU configuration to match the LIBGEN parameters, or (3) change the drive panel type with the Set SLIDRIVS utility.

SLS2460I

Select override occurred for a *CCCC* record at address *HHHHHHHH*

Explanation: The Configuration Manager timed out waiting for a lock to be released for a CCCC record. Since no update occurred, a new request was allowed to access the record at address *HHHHHHHH*.

System Action: Processing continues, some operator intervention may be required.

User Response: Take a dump of the HSC address space and call StorageTek Software Support.

SLS2463I

Drive record for drive *AA:LL:PP:NN* not written; key CDS fields have changed

Explanation: The HSC attempted to rewrite a drive record, but either the driveID, unit address, or deleted status was changed by a Set SLIDRIVS command.

System Action: The rewrite of the drive record is bypassed.

User Response: Recycle the host to refresh the HSC drive records.

SLS2501I

CCCCCCCC1 task was found to be active during HSC termination; waiting for completion

Explanation: The HSC found a *CCCCCCCC1* task active during component termination and must complete before termination may continue. Below is a list of *CCCCCCCC1* tasks:

- Automatic CAP
- Station Monitor
- Attach Monitor
- Listener
- Server
- VTCS Monitor

System Action: Termination waits until the action completes or a cancel is done.

User Response: When possible, complete the action. For utilities it may be necessary to cancel the job. The jobname may be obtained by issuing a Display Status command. If this is an enter, drain the proper CAP.

SLS2502I

HSC Initializing with a cold start because the release levels of the previous and current HSCs are different

Explanation: HSC initialization determined that the HSC subsystem that was previously active was at a different release level than the present HSC. An internal cold start is invoked to ensure that all in-memory data structures, etc. are compatible with this HSC release.

System Action: HSC initialization continues.

User Response: None.

SLS2526I

Reconfiguration function did not run successfully --
Component= *MMMMMMMM*, RC= *XXXXXXXX*

Explanation: An attempt was made to run the reconfiguration function; however, an error occurred which prevented the reconfiguration function from running successfully. Component is the name of the HSC component that failed. RC is the return code from that operation.

System Action: The reconfiguration function terminates processing.

User Response: Check the return code associated with the named component. If you are unable to ascertain the proper corrective measures, contact StorageTek Software Support.

SLS2528I

Reconfiguration function has skipped the copy to the new
secondary CDS.

Explanation: The secondary CDS was undefined, so the copy of the new primary to the new secondary was skipped.

System Action: The reconfiguration function continues processing, and a condition code 4 is set.

User Response: The installation may use a utility such as IEBGENER to copy the primary control data set to the secondary and/or standby control data set if they intend to use a shadow copy.

SLS2550I

LLLLLLLL keyword value must be enclosed in double parentheses.

Explanation: The value specified for the *LLLLLLLL* keyword must be enclosed in a set of double parentheses as required.

System Action: The LIBGEN assembly terminates with a condition code of 12.

User Response: Insert parentheses where necessary, keeping sets balanced, and resubmit the LIBGEN assembly.

SLS2557I

Door type of *DDDD* not valid on this LSM type

Explanation: An invalid door has been specified on a SLILSM macro. The LSM type defined by the SLILSM macro does not support a *DDDD* door.

System Action: Processing continues. A return code of 0C is set.

User Response: Correct the error, and resubmit the LIBGEN assembly.

SLS2559I

PASSTHRU parameter N of WolfCreek LSM *LLLLLLLL1* must be
"MASTER" for connection to adjacent *MMMM* LSM *LLLLLLLL2*

Explanation: The Nth passthru parameter specified for the WolfCreek LSM at label *LLLLLLLL1* was defined as a "slave" and the adjacent LSM is the standard (4410) or Powderhorn (9310) LSM at label *LLLLLLLL2*. The WolfCreek LSM must ALWAYS be the "master" when it is to be connected via PTP to a standard or Powderhorn LSM.

System Action: The LIBGEN assembly terminates with a condition code of 12.

User Response: Redefine the passthru relationship between the WolfCreek and the standard/Powderhorn LSMs, and resubmit the LIBGEN assembly.

SLS2580E

Insufficient space was allocated for the control data set; the
number of blocks required is *DDDDD*

Explanation: During database creation, SLICDATA determined that the space allocated for the CDS data set was insufficient for the LIBGEN definition being used.

System Action: SLICREAT terminates.

User Response: Reallocate the data set with the appropriate amount of space.

SLS2581A

No scratch volumes exist for device address *DDDD* recording
technique *RRRRRRRR*; enter a scratch volser or I to Ignore

Explanation: While executing the SLIEXERS utility, it was determined that no scratch tapes exist that match the recording technique (*RRRRRRRR*) of the device identified (*DDDD*).

System Action: SLIEXERS waits for an operator response.

User Response: Respond with a six digit volser that can be used as a scratch tape, or respond with I to ignore exercising device *DDDD*.

SLS2582I

The HSC is not at FULL service level

Explanation: An attempt was made to run a given utility, but the HSC was not at the correct level.

System Action: The utility terminates.

User Response: Bring the HSC up to the FULL service level, and rerun the utility.

SLS2583I

Device address *DDDD* was Ignored|Verified|Not Available

Explanation: Unit *DDDD* was either ignored because no scratch tapes were available, verified by the SLIEXERS utility, or not available to the SLIEXERS utility.

System Action: The utility continues.

User Response: None.

SLS2584I

```
Error locating or attempting to use volser vvvvvv;  Please
enter another volser
```

Explanation: The SLIEXERS utility was unable to locate the specified volser (*vvvvvv*) in the ACS, or the media type of the volume was not valid for the tape drive.

System Action: Message SLS2581A is displayed.

User Response: Respond as indicated in message SLS2581A.

SLS2585E

```
Module is not APF authorized
```

Explanation: The SLIEXERS utility must be executed from an APF authorized library.

System Action: The utility stops processing.

User Response: Execute the SLIEXERS utility from an APF authorized library.

SLS2586E

```
HOSTid CCCCCCCC; Device number XXXX is a duplicate
```

Explanation: A comparison was made between all transports associated with HOSTid (*CCCCCCCC*). Device number *XXXX* was found to be duplicated for this host.

System Action: Processing continues.

User Response: Confirm which *XXXX* device is correct in the LIBGEN and perform one of the following actions:

- Use LIBGEN and SLICREAT.
  - Change or delete the duplicate device *XXXX* associated with the incorrect SLIDRIVS macro ADDRESS parameter in the LIBGEN.
  - Assemble the new LIBGEN, and run the SLICREAT utility to recreate the database.
- Use the Set SLIDRIVS utility to change or delete the duplicate device *XXXX* within the current database.

SLS2587E

```
Invalid mix of LSM types found in an ACS
```

Explanation: LSMs that can not be connected via PTP were found in the same ACS.

System Action: Processing continues with RC=58305830

User Response: Rework the LIBGEN to separate the invalid LMS types into separate ACSs. Examples of an invalid LSM mix are:

- SL3000 libraries must be a single LSM per ACS
- SL8500 can only be in an ACS with other SL8500's

SLS2610I

`CCCCCCCC command rejected; unable to activate CAPid AA:LL:CC;`
`CAP {recovery|reserve} unsuccessful`

Explanation: An attempt was made to execute an ENter, or EJect command for a specific CAP, but the CAP could not be placed in the requested state.

System Action: The ENter or EJect command is rejected.

User Response: Re-enter the command. If the problem continues and software is suspected, contact the StorageTek Software Support.

SLS2615I

`EJECT subtask failure XXXX; EJECT attempting to continue`

Explanation: One of the CAP tasks for an EJect command terminated due to an abnormal condition as depicted by return code *XXXX*.

System Action: If other CAPs are still active for this eject then command processing will continue. If the command cannot continue then messages will be issued to display cartridges that were not ejected.

User Response: None.

SLS2616D

`REPATH requested by EJECT for CAPid AA:LL:CC; Reply C to`
`(C)ancel or R to (R)EPATH`

Explanation: The CAP task for *AA:LL:CC* ended during an EJect command, and OPTion Repath was set to Reply.

System Action: If other CAPs are still active for this eject, command processing continues. If the command cannot continue, messages will be issued to display cartridges that were not ejected.

User Response: Reply with one of the following:

C	If the Repath is to be cancelled. Messages for cartridges not ejected are issued.
R	If the Repath is to be done. This will transfer cartridges for this CAP to another CAP if one is available. If no other CAP is available, messages for cartridges not ejected are issued.

SLS2617I

`CAPid AA:LL:CC not REPATHed`

Explanation: A CAP task ended during an EJect command and Repathing was not done. Repath was either set to No, no CAPs were available for a Repath, or a reply of (C)ancel was given to the Repath option reply message.

System Action: Messages will be issued to display cartridges that were not ejected.

User Response: None.

SLS2618I

```
{ENTER|EJECT} cannot select CAPid AA:LL:CC; CCCCCCCCCCCC
```

Explanation: A CAP could not be selected for use by either an ENter or an EJect command. *CCCCCCCCCCCC* is either the condition of the CAP or an explanation stating that the CAPid has been bypassed.

System Action: If other CAPs are still active for this eject, command processing continues; otherwise, the command ends.

User Response: None.

SLS2619I

```
ENTER failed; no free cells in LSM LSMID
```

Explanation: The ENTER command requested an LSM that did not contain any free cells.

System Action: The ENTER command terminates.

User Response: Free up cells in the LSM where the volumes are to be entered and re-enter the ENTER command or select a different LSM that has free cells.

SLS2620I

```
Unexpected return code XXXXXXXX processing {Volume|CAP} list;
EJECT attempting to continue
```

Explanation: During processing of an EJect command an unexpected return code, *XXXXXXXX*, was detected while processing either a volume or CAP list.

System Action: The EJect command will attempt to continue unless no more CAPs are present.

User Response: None.

SLS2621I

```
EJECT rejected; Number of volumes specified (NNNN), exceeds
EJLimit
```

Explanation: The number of cartridges specified exceeds the OPTion EJLimit.

System Action: The EJect command terminates.

User Response: Reduce the number of cartridges specified or expand the OPTion EJLimit.

SLS2622I

```
{CAPPREF} error; {ACS IN PATH OFFLINE|LSM IN PATH OFFLINE|CAP
IN PATH OFFLINE|CAP IN PATH INVALID|CARTRIDGE MADE ERRANT|AEM
PREF VALUE MUST BE 0 or 1}
```

Explanation: An error occurred during execution of the CAPPref command due to one of the following situations:

■ ACS IN PATH OFFLINE

■ LSM IN PATH OFFLINE

■ CAP IN PATH OFFLINE

■ CAP IN PATH INVALID

■ AEM PREF VALUE MUST BE 0 or 1

System Action: The command is rejected.

User Response: Correct the cause of the error and re-issue the CAPPref command.

SLS2623I

```
{CAPPREF} rejected; AUTO CAP services are not available
```

Explanation: The AUTO CAP feature is not functioning, most likely due to a prior abend. CAPs cannot be put into AUTO mode.

System Action: The command is rejected.

User Response: HSC can continue to run without the AUTO CAP feature.

In order to restart the AUTO CAP feature, HSC must be brought down and restarted. If there is a dump from an AUTO CAP abend, save it and contact StorageTek Software Support.

SLS2624I

```
CAPPREF rejected; preference value not allowed for CAP
AA:LL:CC
```

Explanation: The command attempted to give a CAP preference value to a CAP (*AA:LL:CC*) that is not eligible to be preferred (e.g., a PCAP).

System Action: The command is rejected.

User Response: Re-issue the CAPPref command, ensuring that the specified CAP is not a PCAP; or, if the CAPPref command is being issued for a PCAP to change it to AUTO or MANual mode, verify that 0 is specified for the preference value.

SLS2625I

CCCCCCC1 volser CCCCCCC2 CCCCCCC3

Explanation:

CCCCCCC1	will state either "Cartridge" or "Subpool".
volser	is a cartridge volser, the word "SCRTCH", or a subpool name.
CCCCCCC2	is "not EJECTed" when a volser is present and "count depleted" when "SCRTCH" is present.
CCCCCCC3	is only displayed when the MEDia keyword is specified and no scratches exists for it.

System Action: None.

User Response: This message provides an audit trail so you may recapture cartridges for a subsequent EJect by using the JOBLOG or SYSLOG.

SLS2627I

{ENTER|DRAIN} command rejected; CAP *AA:LL:CC* is in AUTO mode

Explanation: The ENter command cannot be issued for a CAP which is in AUTO mode. A DRAin command also is not allowed, unless the AUTO CAP is ejecting.

System Action: The command is rejected.

User Response: AUTO CAPs are unlocked and available for entering except when cartridges are being ejected. Therefore, the ENter command is neither required nor allowed.

An AUTO CAP can be drained only when it is ejecting cartridges. To drain an ejecting CAP, the EJect keyword must follow the CAPid.

Use the CAPPref command to change the CAP mode from AUTO to MANual.

SLS2628E

CAP *AA:LL:CC* task found active for the *CCCCCCCC* command;
awaiting completion of the task

Explanation: CAP *AA:LL:CC* task for the *CCCCCCCC* command was found to be active during command termination.

System Action: The command does not complete until the task ends. This message reappears every three minutes until the task ends. This message may be followed by message SLS0031D, asking if you want to DRAIN the tasks or WAIT for them to complete. Once you respond DRAIN, HSC issues additional SLS2628E messages to inform you of tasks in progress every three minutes.

User Response: Take any actions necessary to allow the commands in progress to complete. This may involve opening, emptying, and closing the indicated CAP.

SLS2629I

CAPid *AA:LL:CC* REPATHed

Explanation: One of the CAP tasks for an EJect command ended and Repath was set to ON or Reply and the user responded R to Repath.

System Action: All volumes associated to this CAP have been assigned to a different CAP or CAPs. Processing will continue, however more passthrus than normal may occur during this time period.

User Response: None.

SLS2630I

CAPPREF command rejected; CAPid *AA:LL:CC* is already in {AUTO|MANUAL} mode

Explanation: An attempt was made to change a CAP to AUTO or MANual mode when it was already in the requested mode.

System Action: The CAPPref command is rejected.

User Response: None.

SLS2631I

{CAPPREF|RELEASE|MODIFY|DRAIN} rejected; *XXX* is not a unique CAPid

Explanation: The command requires a unique CAPid, and *XXX* does not uniquely identify a CAP. If the LSM access door contains the Enhanced CAP feature or the LSM is a WolfCreek, the CAPid must be specified as *AA:LL:CC*. If the LSM access door contains only one CAP, it may be specified as *AA:LL:CC* or just *AA:LL*.

System Action: The command is rejected.

User Response: Reissue the command, ensuring that the CAPid is specified as described above.

SLS2632I

CAPPREF for *AA:LL:CC* rejected; cannot specify AUTO/MANUAL when CAP is busy

Explanation: The CAP must be drained on all systems before AUTO or MANual can be specified on the CAPPref command.

System Action: The command is rejected.

User Response: Wait until the CAP is drained on all systems, then re-issue the command. If it is not necessary to specify AUTO or MANual, the command can be re-issued prior to when the CAP is drained.

If the CAP is not active, and the Display Cap command shows that it is idle but scheduled for recovery, then issue the RELease CAP command for that CAP prior to re-issuing the CAPPref command.

SLS2633E

```
UENT Control Block has no paired SRIB Control Block
(uuuuuuuu;tttttttt;rrrrrrrr)
```

Explanation: A UENT (Utility Entry) Control Block was found that did not have a paired SRIB Control Block. The SRIB holds details (e.g. Jobname) of the Utility that was run.

uuuuuuuu	the Address of the UENT Control Block
tttttttt	the UENT Token used to find the paired SRIB Control Block
rrrrrrrr	the Return Code from the SRIB search routine

System Action: The "Display Status" command is terminated.

User Response: At a convenient point, stop and re-start HSC. It may be useful to take a Dump of the Address Space first for later diagnosis.

SLS2634I

```
(...error text...)
```

Explanation: Generally, a specified value is invalid or an incompatibility exists between volume, unit, media, and/or recording technique information for a request. Valid error text messages include the message explanations listed in SLS1973I and the following three explanations:

Scratch mount invalid for cleaning cart

Cleaning cartridges cannot be mounted as scratch volumes.

VOLATTR is incompatible with UNIT and/or MEDIA

An incompatibility exists between the VOLATTR, unit, and/or media information for the request.

VAR is incompatible with UNIT and/or MEDIA

An incompatibility exists between the VAR, unit, and/or media information for the request.

MEDIA is invalid.

An invalid media type encountered.

System Action: Processing is terminated.

User Response: Correct the parameter value(s) and retry.

SLS2635I

```
CCCCCCCC command rejected for DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
```

Explanation: User exit 15 returned authorization denied for command *CCCCCCCC*. The *DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD* may state that this request was for a console, a userid, an operator, or the user exit may specify site-specific information.

System Action: The command execution ends.

User Response: If you determine that the correct exit is loaded, contact your security administrator or system programming staff responsible for HSC user exits for assistance. Site-specific information should be detailed by site procedures. Re-issue the request after security measures have been corrected.

SLS2636A

```
Please enter the CCCCCCCC command password for
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
```

Explanation: User exit 15 has requested password checking for command *CCCCCCCC*. The *DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD* may state that this request was for a console, a userid, an operator, or the user exit may specify site-specific information.

System Action: The system waits for a reply. If an incorrect password is entered the command is rejected. Otherwise, processing continues.

User Response: Respond with the correct password. If the password is unknown, contact your security administrator or system programming staff responsible for HSC user exits. Reissue the request after security measures have been corrected.

SLS2637I

```
User Exit SLSUX15 is inoperative; RC= XX
```

Explanation: User exit 15 is inoperative because it returned an invalid return code *XX*.

System Action: Operator commands are not sent to the user exit for processing while the user exit is inoperative.

User Response: Contact the system programming staff responsible for HSC user exits, and have them modify user exit 15 to return a valid return code.

SLS2638I

```
Scratch Summary

ACS/LSM SUBPOOL NAME LABEL MEDIA RECTECH COUNT
AA:LL   SSSSS         XXX   MMMMM RRRRR   DDDDD
```

Explanation: This is the output from the Display SCRatch command. The output produced varies depending on the parameters specified. Summary information may include:

AA:LL	ACSid:LSMid
SSSSS	Subpool name
XXX	Label Type
MMMMM	Media Type
RRRRR	Recording Technique for the media
DDDDD	number of scratch tapes

In addition, there may be total lines at the ACS, LSM, and Subpool level, or the text *Nothing to Display* may be shown.

System Action: None.

User Response: None.

SLS2639I

```
{Display THReshld|Display SCRatch|Warn} command failed; Media
type CCCCC is used for cleaning cartridges
```

Explanation: An attempt was made to issue a command for scratch volumes using a media type of *CCCCC* which can only be used for cleaner cartridges.

System Action: The command is rejected.

User Response: Re-enter the command with a different media type.

```
SLS2640I

  Display Status command

  REQUESTOR   ACTION      ELEMENT     VOLSER    ASSOCIATED-ELEMENT
  CCCCCCC1    CCCCCCC2    XXXXXXX1    volser    XXXXXXX3


  CAP       QUEUE IS CCCCCCC3
  LMU       QUEUE IS CCCCCCC3
  UTILITY   QUEUE IS CCCCCCC3
  MOUNT     QUEUE IS CCCCCCC3


  TOTAL PENDING MOUNTS:             DDD1
  TOTAL PENDING DISMOUNTS:          DDD1
  TOTAL PENDING LMU REQUESTS:       DDD1
  TOTAL ACTIVE NON_UUI UTILITIES:   DDD1
  TOTAL ACTIVE UUI REQUESTS:        DDD1
  TOTAL ACTIVE CAPS:                DDD1
  NCO CONFLICT COUNT =              DDD2


  CCCCCCC4 NCO CONFLICT COUNT =     DDD3
  SWITCH IN PROGRESS FOR ACS AA


  END OF STATUS DISPLAY
```

Explanation: This message displays the status of pending requests in the HSC.

CCCCCCC1	the Requestor. This may be from an internal or external source. Internally, Operator is an operator command and Clean depicts an action by the Mount/Dismount process. Externally, system jobnames are used for utilities and normal Mount/Dismounts, or External for a process initiated by a broadcast from another HSC host. PGMI is used for external programmatic interface requests. UUIREQ is used for UUI requests.
CCCCCCC2	the action being performed. Actions include Dismount, Enter, Eject, Modify, Mount, Move, Vary and View.
XXXXXXX1	the physical element (CAPid, LSMid, ACSid, Station, DRIVEid, or Library).
volser	the volume serial number.
XXXXXXX2	the identified ACS object or external host associated with the physical element, XXXXXXX1 or action, CCCCCCC2.
CCCCCCC3	the process status: READY	NOT READY	PURGING	RECOVERING
DDD1	the total pending requests. If no pending or active requests are found, this section is not displayed.
DDD2	the count of HSC functions and/or utilities executing in the complex. This line is only displayed when DDD2 is greater than zero.
AA	acs-id of ACS with switch in progress
DDD3	the count of HSC functions and/or utilities executing for host CCCCCCC4. This line is only displayed when DDD2 is greater than zero.
CCCCCCC4	a host name.

System Action: None.

User Response: If the NCO conflict count = *DDD2* message line is displayed when no HSC functions and/or utilities are active in the complex, refer to SLS4424E user response section for a procedure to reset the counter.

SLS2641I

```
{ENTER|EJECT} ended; No CAPs were selected
```

Explanation: The ENter or EJect command requires that at least one CAP be available for processing.

System Action: The ENter or EJect command processing ends.

User Response: Reissue the command, ensuring that at least one CAPid that is specified is available.

SLS2642I

```
MODIFY command pending; CAPid AA:LL:CC reserved to CCCCCCCC
```

Explanation: An attempt was made to modify an LSM offline when the LSM still had CAPs active.

System Action: The MODify lsm OFFline command is pended until all CAPs are made inactive.

User Response: Ensure that all the CAPs for the LSM are inactive. If further CAP processing is impossible due to a hardware error, issue the MODify lsm OFFline command with the FORCE keyword.

SLS2643I

```
MODIFY OFFLINE FORCE for LSM AA:LL rejected; MODIFY OFFLINE
must be tried first
```

Explanation: An attempt was made to modify an LSM offline with the FORCE option. However, an attempt to modify the LSM offline without the FORCE option was not tried first.

System Action: The MODify lsm OFFline FORCE command is rejected.

User Response: Issue a MODify OFFline command for the LSM first. Do not attempt a MODify lsm OFFline command with the FORCE option until you receive one of the following messages - 1) SLS2644I, which states that the HSC cannot communicate with the LMU, or 2) SLS0017I, which states that the LSM lock is not available. Please note that the MODify lsm OFFline FORCE command will not be rejected if the LSM is already offline.

SLS2644I

MODIFY command for LSM *AA:LL* failed; cannot communicate with LMU

Explanation: An attempt was made to modify an LSM offline, but the HSC cannot communicate with the LMU.

System Action: The MODify lsm OFFline command fails, and the state of the LSM does not change.

User Response: If the LSM needs to be placed in manual mode, issue the MODify lsm OFFline command using the FORCE option.

SLS2645I

```
Unable to {DRAIN} {CAP} {AA:LL:CC}; {CAP} is in RECOVER
processing
```

Explanation: An attempt was made to drain a CAP that is currently in recovery processing. The CAP cannot be drained until the recovery processing is completed.

System Action: The DRAin is rejected.

User Response: Complete the recovery processing (opening, emptying, and closing the CAP) and then re-issue the DRAin command.

SLS2646I

```
Communications lost with LMU station XXXX
```

Explanation: LMU return code from a Vary station command indicates that communication with the LMU station is lost.

System Action: The Vary station command fails.

User Response: This is probably a hardware error. Contact StorageTek Hardware Support. This message can be normal if the LMU station was varied offline with the FORCE option.

SLS2647I

```
{ENTER|EJECT|CAPPREF|RELEASE|MODIFY|DRAIN} command failed; LSM
AA:LL is not available
```

Explanation: A CAP related command was executing against LSM *AA:LL* but it was not online.

System Action: The command terminates.

User Response: Examine the console log for other HSC messages which might indicate LMU errors or hardware errors. It is likely that the LSM is in an inactive or not-ready status. Correct any hardware errors which are found before attempting to reissue the command.

SLS2649I

```
Threshold Value Summary:

ACS/LSM SUBPOOL NAME LABEL MEDIA RECTECH COUNT THRESH
AA:LL   SSSSS        XXX   MMMMM RRRRR   DDDD1 DDDD2
```

Explanation: This is the output from the Display THReshold command. The output produced varies depending on the parameters specified. Summary information may include:

AA:LL	ACSid/LSMid
SSSSS	Subpool name
XXX	Label Type
MMMMM	Media Type
RRRRR	Recording Technique for the media
DDDD1	number of scratch tapes
DDDD2	threshold number of scratch tapes

In addition, there may be total lines at the ACS, LSM, and Subpool level, or the text *Nothing to Display* may be shown.

System Action: None.

User Response: None.

SLS2651I

```
ACS AA: Switch aborted, CCC query error for ID III, return
code XXXX
```

Explanation: A configuration return code *XXXX* other than zero returned for a query of ACS or LSM (*CCC*) records for an id *III*. Below are a list of the possible Configuration return codes:

4502 - Invalid Plist
4504 - Error reading/writing data base
4512 - Subsystem is inactive
4522 - ACS identifier is invalid
4524 - LSM identifier is invalid
453C - Data was invalid
453E - Data type not found
4556 - Not the FIGMGR move requested
4568 - Database release failed
456B - No reserve on the CDS
456C - No record found
456D - Record already selected
456E - Insufficient space for output
456F - Config manager error

System Action: The SWitch function is aborted.

User Response: Contact StorageTek Software Support.

SLS2654I

```
ACS AA has no requests queued
```

Explanation: A request was made to display the requests queued to ACSs via the Display Requests command. None were queued to ACS *AA*.

System Action: Processing continues.

User Response: None.

SLS2656I

```
ACS AA: CCCCCCCC1 CCC CCCCCCCC2 XX1 XX2 XX3
```

Explanation: A request was made to display the requests queued to ACSs via the Display Requests command. This message describes a single request.

AA is the ACSid.

CCCCCCCC1 is the request type. Requests vary between a change of status, a query of status, and moving from one location to another. The LMU is also used to communicate between hosts for messages that need to be recognized globally. Request types include:

Vary LSM	Mount
Dismount	View
Swap	Move
Reserve CAP	Release CAP
Enter	Eject
Catalog	Read Config.
Read Volser Status	Read LMU Stats
Targeted Msg. Route	Host to Host Brdcst.
Quiesce Host	Read Trans. Carts
Read LSM Status	Read LMU Status
Query Request Status	Cancel
Catalog	Unlock CAP
CAP Status	

CCC is the sequence number of the request.

CCCCCCCC2 describes the status of the request: ACTIVE (sent to the LMU), WAITING (waiting to be sent to the LMU), or TEMP OUT (the request is for a not-ready LSM).

XX1 is the source LSM

XX2 is the destination LSM. This may not be present for all requests.

XX3 is the not ready LSM the request is waiting for. If this is 10, the field has no meaning.

System Action: Processing continues.

User Response: None.

SLS2701E

```
Invalid journal format
```

Explanation: User error. HSC 2.0.0 requires journals formatted by the HSC 2.0.0 or later version of SLICREAT. The journals specified on this invocation of HSC were formatted by an earlier version.

System Action: HSC initialization terminates.

User Response: Modify startup JCL to use HSC 2.0.0 journal data sets, or use the SLICREAT utility to reformat the journal data sets.

SLS2702E

```
Unable to obtain CDS block; no FREE space remaining
```

Explanation: User error. HSC database services attempted to obtain a FREE block from the CDS. No FREE blocks are available.

System Action: HSC terminates.

User Response: Use the SLICREAT utility to create a larger CDS.

SLS2703E

```
Journal corruption detected; journaling terminated
```

Explanation: HSC has detected an invalid journal block while attempting to write an update to the current journal. The journal is no longer valid.

System Action: HSC terminates journaling. If "FULL=Abend" is in effect, HSC terminates.

User Response: BACKup the CDS to reset the journals and re-enable journaling. Send the associated dump to StorageTek Software Support for analysis.

SLS2716I

```
Database Information
```

Explanation: This message issues a multi-line WTO showing certain database information. An example of the message is shown below.

```
-SLS2716I Database Information
SYSNNNNN = DDD...DDD1
     PRIVOL  = volser1 FLAGS(XX) {ACTIVE|INACTIVE|
                          HOST-RESERVED|ERROR}
SYSNNNNN = DDD...DDD2
     SECVOL  = volser2 FLAGS(XX) {ACTIVE|INACTIVE|
                          HOST-RESERVED|ERROR}
SYSNNNNN = DDD...DDD3
     SBYVOL  = volser3 FLAGS(XX) {ACTIVE|INACTIVE|
                          HOST-RESERVED|ERROR}
JOURNAL1 = DDD...DDD4
JRNVOL = volser4 - CURRENT   NN % FULL
JOURNAL2 = DDD...DDD5
JRNVOL = volser5 -
JOURNAL RECOVERY = (XX) {ABEND|CONTINUE|DISABLED}
               --or--
JOURNALING NOT ACTIVE FOR THIS SUB-SYSTEM
{
RECONFIGURATION IN PROCESS FOR HOST(S)
CCCCCCC6 CCCCCCC7 . . . .
| A DISASTER/RECOVERY TEST IS ACTIVE |
THIS IS A DISASTER/RECOVERY CDS
]
CDS LEVEL = 0n0n0n         DATE = creation_d
CREATE    = cccid          TIME = creation_t
VSM CDS LEVEL = l
               --or--
VTCS RECORDS NOT FOUND IN THIS CDS
[
LAST CDS BACKUP  = backup_d  backup_t
LAST CDS RESTORE = restore_d restore_t
LAST NCS ON host
    START = ncs_strt_d ncs_strt_t
      END = ncs_end_d  ncs_end_t
ENQNAME  = qqqqname       - SMFTYPE = DDD
CLEAN PREFIX = cln        - LABTYPE = (XX) {SL|AL|NL|NSL}
RECOVERY = (00) RRRRRRRR  - DELETE DISP= (XX,XX) deldisp
THIS HOSTID IS = CCCCCCC1 - CDS BLOCK COUNT = nnnnnn
CDS FREE BLOCKS = mmmmmm
HOSTID---LEVEL--FLAG---DESCRIPTION
CCCCCCC2 n.n.n  (XX)    {ACTIVE PRIMARY <SECONDARY
                        <STANDBY>> |
CCCCCCC3 -.-.- (00)    -INACTIVE-}
CCCCCCC4 5.0.0  (F0)   ACTIVE PRIMARY SECONDARY STANDBY
. . .
CCCCCCC5 -.-.- (00)    -INACTIVE-
Database Information End
```

where:

DDD...DDDn	(44)	data set name
volser	(6)	volume serial number
XX	(2)	hexadecimal flags
BBBBBBB1	(16)	a bit map when a Reconfiguration process is active corresponding to the host list at the end of the display showing if a host needs a Configuration Refresh (1) or not (0)
qqqqname	(8)	ENQ name used when reserving this database
DDD	(3)	SMFTYPE
cln	(3)	volser prefix for cleaning cartridges
RRRRRRRR	(8)	recovery characteristics {NEITHER│JOURNAL│SECONDARY│BOTH │ALL}
deldisp	(10)	delete
CCCCCCCn	(8)	host name
nnnnnn	(10)	number of 4096-bytes in current CDS
mmmmmm	(10)	number of FREE blocks in current CDS
0n0n0n	(8)	HSC level in CDS (e.g. 020100)
n.n.n	(5)	HSC level (e.g. 2.1.0, 4.1.0, 5.0.0)
creation_d	(8)	Date CDS created (yyyymmdd)
creation_t	(8)	Time CDS created (hh.mm.ss)
yyyymmdd	(8)	Date CDS created
hh.mm.ss	(8)	Time CDS created
cccid	(8)	Change ID for SLICREAT program
l	(1)	VSM CDS Level (F, G, or H) Or, VTCS not installed or not configured
backup_d	(8)	Creation date of backup used when CDS was restored (yyyymmdd)
backup_t	(8)	Creation time of backup used when CDS was restored (hh:mm:ss)
restore_d	(8)	Date when CDS restored (yyyymmdd)
restore_t	(8)	Time when CDS restored (hh:mm:ss)
ncs_strt_d	(8)	Date when last configuration change began (yyyymmdd)
ncs_strt_t	(8)	Time when last configuration change began (hh:mm:ss)
ncs_end_d	(8)	Date when last configuration change ended (yyyymmdd)
ncs_end_t	(8)	Time when last configuration change ended (hh:mm:ss)

System Action: None. This is an informational message only.

User Response: None.

SLS2717E

CDS level *V1.R1.M1 bb* not supported by this HSC maintenance level

Explanation: This level of the Control Data Set is not supported by this maintenance or Release level of the HSC.
V1.R1.M1 bb = the version, release and modification level found in the Control Data Set

System Action: The subsystem is terminated with a 7004 return code.

User Response: The HSC must be started from a load library at a maintenance level which is compatible with the CDS level. If required, HSC utilities can convert the CDS to a later CDS level.

SLS2740I

CDS Directory recovery operation successful

Explanation: The database directory was successfully re-built.

System Action: None. This is an informational message only.

User Response: None. This is an informational message only.

SLS2741E

Journals specified but not allocated; RC=*XXXXXXXX*

Explanation: This message is normally produced when Journaling is specified in the LIBGEN but no JRNDEF statement is specified in the startup PARMLIB.

It can also result from allocation errors, in which case earlier console messages explain the error.

System Action: HSC terminates.

User Response: If the error was the result of a missing JRNDEF, add the necessary statement to PARMLIB. If it was the result of an allocation failure, correct the problem causing allocation to fail.

SLS2742E

```
Unexpected return code NNNN on DB access request in module;
resulting action
```

Explanation: An unexpected return code was received from the database access request specified in the module listed. Database access requests include:

DBOPEN

Open a database thread

DBCLOSE

Close a database thread

DBREAD for subfile *subfile-id*

Read a database record in the specified subfile

DBWRITE for subfile *subfile-id*

Write a database record in the specified subfile

DBQSF for subfile *subfile-id*

Query the attributes of the specified subfile

The resulting action describes how processing continues.

System Action: HSC processing continues, as described in *resulting action*.

User Response: Contact StorageTek Software Support.

SLS2850I

```
Errant recovery of volser - Volume may be within LSM AA:LL
```

Explanation: Errant recovery could not locate an errant volume. Indications for this volume suggest that it may be within an LSM that is not performing automated operations.

System Action: Errant recovery processing continues.

User Response: If the LSM will be returning to an automated condition soon, the user may want to reply "Ignore" to any subsequent user prompts for errant recovery regarding this volume. Once automatic operations are restored and errant recovery is invoked for this LSM, the volume should be recovered or another prompt for this volume will occur. If the LSM will be disabled for a long time, the user may want to check the playground, passthru ports and hands within the LSM in question in order to locate the volume prior to logically ejecting it from the control data set.

SLS2901D

```
Mount of volser1 on {drive XXXX|driveid AA:LL:PP:NN} - volser
different (volser2); reply Retry, Bypass, Eject, or Ignore
(R,B,E,I)
```

Explanation: An attempt was made to mount volume *volser1* on transport
XXXX|AA:LL:PP:NN, but the LMU found a volume with a different external label of
volser2.

System Action: The mount waits until you reply either Retry, Bypass, Eject, or
Ignore.

User Response: Reply with one of the following:

R	If the mount is to be retried, reply R.
B	If the mount is to be retried and the volume is to be marked as having an unreadable external label, reply B.
E	If the volume is to be ejected, reply E. Volume *volser* will be deleted from the control data set.
I	If the mount is to be ignored, reply I.

SLS2905D

```
All cleaners {drive XXXX|driveid AA:LL:PP:NN} ACS AA over-use;
reply "I"gnore, "T,cap,volser"=Temp enter, "R"etry, "U"se over-
limit
```

Explanation: All cleaning cartridges compatible with the drive in ACS *AA* are over-
use (over-limit or over-limit and spent).

Over-limit cleaning cartridges have a select count greater than MAXclean. Spent
cleaning cartridges have exhausted their cleaning material.

Note: Different types of transports require different cleaning cartridge media types.

System Action: Mount waits for a reply. If no response is received within 5 minutes,
the default action of "Use an over-limit cleaning cartridge" will be selected.

User Response: Reply with one of the following:

I	Ignore the mount request. Cleaning will no longer be scheduled for this transport.
T,capid,volser	Temporarily enter the specified cleaning cartridge from the specified CAP to clean the drive. (Note: The volser of the cleaning cartridge temporarily entered does not have to start with the cleaning prefix.)
R	Retry the cleaner lookup (presumably after entering some cleaning cartridges).
U	Use an over-limit cleaning cartridge.

Warning – Over-limit cleaning cartridges should be ejected from the ACS and replaced
with new cleaning cartridges compatible with the transport. See "Tape Transport
Cleaning" in the "Mount/Dismount Functions" section of the *HSC System Programmer's
Guide*.

SLS2911D

```
Mount of volser on {drive XXXX|driveid AA:LL:PP:NN} - manual
volume at AA:LL:PP:RR:CC; reply Mount or Ignore (M/I)
```

Explanation: A request was made to mount a volume from a manual LSM.

System Action: The mount waits until you reply M or I, or modify the LSM online.

User Response: If no reply is given and the LSM is modified online, the mount proceeds normally.

If the volume is to be manually mounted, reply M and the message will be DOMed. Remove the cartridge from location *AA:LL:PP:RR:CC* as displayed on the transport and mount it.

If the request is to be ignored, reply I.

SLS2912I

```
Dismount of fixed volume volser; volume displaced from manual
LSM cell AA:LL:PP:RR:CC to cell AA:LL:PP:RR:CC
```

Explanation: A volume *volser* was in a fixed cell because MNTD Float was set to off. Between the time of the mount and the subsequent dismount, the LSM to which the volume is assigned went offline.

System Action: Volume *volser* is retained in an online, automatic LSM.

User Response: None.

SLS2914I

```
Display of drives complete
```

Explanation: The display of HSC-controlled drives, requested by the Display DRives command, has ended.

System Action: The Display DRives command terminates.

User Response: None.

SLS2915I

```
Nothing to display
```

Explanation: The display of HSC-controlled drives, requested by the Display DRives command, has ended. No drive activity was found by this function.

System Action: The Display DRives command terminates.

User Response: None.

SLS2916I

```
Drive XXXX|Driveid AA:LL:PP:NN} < volser CCCCCCCCC >
or:
Drive XXXX|Driveid w/Slot AA:LL:PP/SS} < volser CCCCCCCCC >
```

Explanation: In response to a Display DRives command, the status of the drive is displayed. The volume *volser* and status (*CCCCCCCCC*) is displayed when one of the following status values is true: (Dismount; Mounting; On drive, UNKNOWN).

If MEDia or RECtech parameters are specified, the drives displayed are only those that meet this specification.

System Action: None.

User Response: None.

SLS2918I

```
Found DDD1  {over-use|over-limit|spent} cleaning cartridges in
ACS AA; searched DD2 LSMs for cleaner compatible with {drive
XXXX|driveid AA:LL:PP:NN}
```

Explanation: HSC found *DDD1* over-use cleaning cartridges in ACS *AA* while searching *DD2* LSMs for a cleaning cartridge compatible with the drive. (Over-limit cleaning cartridges have a select count that is over the applicable MAXclean value. Spent cleaning cartridges have exhausted their cleaning material. Over-use cleaning cartridges are either over-limit or spent.)

Note – There are at least *DDD1* over-use, over-limit or spent cleaning cartridges compatible with the drive in the *DD2* LSMs searched. However, there may be more over-use cleaning cartridges in the ACS if a compatible cleaning cartridge has been selected to clean the transport.

System Action: The drive cleaning process continues.

User Response: No immediate action is necessary.

Warning – Over-use cleaning cartridges should be ejected from the ACS and replaced with new cleaning cartridges compatible with the transport(s).

SLS2919D

```
Cleaning cartridge volser select count DDD is greater than
MAXclean; reply "E" to Eject or "K" to Keep cleaner
```

Explanation: The cleaning cartridge *volser* has select count *DDD*. The cleaning cartridge is over-limit (its use count is found to be greater than the applicable MAXclean value) or spent (the cleaning material has been exhausted). This message is issued after the cleaning cartridge mount, before the cleaning cartridge has been dismounted.

System Action: The dismount of the cleaning cartridge *volser* waits for the reply. If no response is received within 5 minutes, the default action of "Keep the over-use-limit cleaning cartridge" will be selected.

User Response: Reply with one of the following:

E	Eject the cleaning cartridge from the ACS when the cartridge is dismounted.
K	Keep the cleaning cartridge in the ACS when it is dismounted.

Warning – Over-limit and spent cleaning cartridges should be ejected from the ACS and replaced with new cleaning cartridges compatible with the transport(s).

SLS2920I

```
Cleaning cartridge volser with select count DDD is
{OVER-LIMIT|SPENT}; cartridge kept in ACS AA
```

Explanation: The cleaning cartridge specified has a select count of *DDD*. The cleaning cartridge has a select count of DDD. The cleaning cartridge is over-limit (its use count is found to be greater than the applicable MAXclean value) or spent (the cleaning material has been exhausted). This message is issued when HSC has been directed to keep an over-limit or spent cleaning cartridge in the ACS. The message is issued prior to dismounting the cartridge.

System Action: HSC continues with the dismount of this cartridge.

User Response: No immediate action is necessary.

Warning – Over-limit and spent cleaning cartridges should be ejected from the ACS and replaced with new cleaning cartridges compatible with the transport(s).

SLS2934

```
(...message text...)
```

Explanation: Generally, a specified value is invalid or an incompatibility exists between volume, unit, media, and/or recording technique information for a request. The *message text* can be one of the following:

Mount rejected - cleaning cartridge is not a scratch volume

A cleaning cartridge cannot be used to satisfy a scratch mount request

Mount rejected - VOLATTR media type for specified volume is incompatible with unit

The media type of the specified volume, as defined by a VOLATTR statement, is incompatible with the media capabilities of the unit

Mount rejected - VAR media type for specified volume is incompatible with unit

The media type of the specified volume, as defined by a Volume Attribute Record in the CDS, is incompatible with the media capabilities of the unit

System Action: The mount of the specified volume is rejected and the original action message is re-issued to request a new volume.

User Response: Reply to the action message and specify a volume that is compatible with the media capabilities of the unit.

SLS2962I

```
Mount of volser on {drive XXXX|driveid AA:LL:PP:NN} - media
type changed from MM1 to MM2
```

Explanation: The initial attempt to mount volume *volser* on transport *XXXX|AA:LL:PP:NN* failed with a media miscompare error.

A media miscompare error occurs when the HSC-supplied media type to be verified (*MM1*) did not match the media type read by the vision system (*MM2*). The LMU reports the mismatch to the HSC as a media miscompare error. Media miscompare errors occur only when the HSC requests the LMU to perform media verification.

System Action: The media type for the volume in the Control Data Set (CDS) is changed to the media type read by the vision system. The mount is retried, but media verification is bypassed.

This message is issued only when media verification is in effect, so it is not issued again for this mount request. Other messages will subsequently indicate if the mount was completed successfully, or encountered additional problems.

User Response: If *MM1* and *MM2* are the same, a hardware problem with the LMU or vision system may exist. Otherwise, no response is necessary.

SLS2964E

```
{Drive XXXX|Driveid AA:LL:PP:NN} and volume volser are
incompatible - request rejected {before|after} the mount was
attempted
```

Explanation: An incompatibility was detected between the media and recording technique capabilities of transport {*XXXX|AA:LL:PP:NN*} and volume *volser* before or after the mount was attempted.

System Action: The mount is rejected. The job waits for the volume to be mounted, but this is impossible because the cartridge can never be physically mounted on the allocated device.

User Response: Cancel the job, correct the JCL, definition statements (VOLATTR, UNITATTR, TAPEREQ), and/or SMS routines, and rerun the job.

SLS2972I

```
Volume volser not CCCCCCCC; No {CAPs|LSMs} were available in
ACS AA
```

Explanation: Volume *volser* was either not pathed or not ejected because all CAPs or LSMs were unavailable in ACS *AA*.

System Action: Processing for other volumes continues.

User Response: Supply an online LSM or CAP within the ACS to satisfy the request.

SLS2973I

```
Volume volser not CCCCCCCC; Volume not in the library.
```

Explanation: Volume *volser* does not reside within any LSM.

System Action: The volume is not ejected.

User Response: No response.

SLS2974I

Audit of LSM *AA:LL* is recommended

Explanation: A MOVe command or utility detected an error either in the source or target location. Additional messages should precede this one to let you know the exact nature of the error.

System Action: The MOVe for that cartridge fails.

User Response: As a result of the error, an audit of the specified LSM is recommended, at least for the location in error, if not a full audit of the LSM.

SLS2976I

MOVE incomplete; Volume *volser* stuck in LSM *AA:LL* {HAND *N*|PANEL *NN* DRIVE *NN*|PTP PANEL *NN*}

Explanation: The MOVe of a volume was incomplete because of a hardware interruption of an LSM. The location of the volume is displayed.

System Action: None.

User Response: If you did not reply Delete to the previous SLS0854D message for this volume, you may use the EJect command to remove it. When you receive the SLS0854D, reply Delete. This will remove the volume from the CDS. Afterwards, manually remove the volume from the specified location and use the ENter command to insert it into an LSM.

SLS2977I

Panel index *DD* is invalid

Explanation. The target panel *DD*, of a MOVe request, is greater than the number of panels available in the LSM.

System Action. The MOVe function terminates processing.

User Response. Specify a Panel index that is within the range of the LSM.

SLS2978A

Please enter the password for *CCCCCCCC* processing of volume *volser* for *DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD*

Explanation: User exit 14 has requested password checking for volume volser access during CCCCCCCC. The DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD may state that this request was for a job, a user, an operator or the user exit may specify site-specific information.

System Action: The system waits for a reply. If an incorrect password is entered, the request is rejected. Otherwise, processing continues.

User Response: Respond with the correct password. If the password is unknown, contact your security administrator or system programming staff responsible for HSC user exits. Reissue the request when security measures have been corrected.

SLS2979I

User Exit SLSUX14 is inoperative; RC = *XX*

Explanation: The volume access user exit, SLSUX14, is inoperative because an invalid return code was returned.

System Action: User exit 14 is disabled.

User Response: Correct the user exit so that it returns a valid return code.

SLS2980I

Access to volume *volser* denied for *CCCCCCCC* processing for *DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD*

Explanation: User exit 14 returned access denied for volume *volser* during a *CCCCCCCC* process. This process may be Mount or EJect. The *DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD* may state that this request was for a job name, a userid, an operator or the user exit may specify site specific information.

System Action: The Mount or EJect request ends without allowing the function to proceed.

User Response: Make sure the correct user exit is loaded and, if so, contact your security administrator or system programming staff responsible for HSC user exits for assistance. Site-specific information should be detailed by site procedures. Re-issue the request after security measures have been corrected.

SLS2984D

volser on {drive *XXXX*|driveid *AA:LL:PP:NN*}; shortage *AA*; *MMMMMMMM*; *RRRRRRRR*; *SSSSSSSS*; reply I / T,capid,vol / R / M,vol

Explanation: There were no volumes found in ACS *AA* to satisfy a scratch mount for the requested media, recording technique, and/or subpool.

AA	the ACS number
MMMMMMMM	the media type
RRRRRRRR	the recording technique
SSSSSSSS	the subpool name. If the subpool name is "SUBPOOL 0", either scratch subpooling is not in effect, or scratch subpooling is in effect but no subpool was specified for the request.

System Action: The Mount waits for you to reply I; T,capid,vol; R; or M,vol.

User Response: Reply with one of the following:

I (Ignore)	Ignore the Mount request. The HSC leaves the mount pending.
T,capid,vol (Temporarily enter)	Temporary enter (the specified volume) from the specified CAP and SUBpool to satisfy the mount.
R (Retry)	Retry the scratch lookup (after replenishing the subpool scratch list).
M,vol (Mount)	Mount the specified volume to satisfy the request.

SLS2985I

```
Mount of volume volser on {drive XXXX|driveid AA:LL:PP:NN} –
volume changed to write-disabled for
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
```

Explanation: A volume mount was attempted for volume volser on a drive. User exit 14 requested that virtual thumbwheel be set to write-disabled to protect the volume. *DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD* may state that this request was for a job name, a userid, an operator, or the user may specify site-specific information through the exit.

System Action: The Mount request continues, however if the user requested write privileges, the MSP or VM system will issue a message saying to mount a volume that is write-enabled.

User Response: None, if the job continues in a read-only mode for this volume. Otherwise, a different volume may be requested, or you will need to ensure the right exit is loaded for your shift. If the right exit is loaded, contact your security administrator or system programming staff responsible for HSC user exits. Site-specific information should be detailed by your procedures. Re-submit the job when security measures have been corrected or accommodated.

SLS2986I

```
Invalid password for DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
```

Explanation: A request to access a volume was rejected because an invalid password was entered.

System Action: The request is rejected.

User Response: Re-enter the request and specify the correct password.

SLS4000I

```
Release AA:LL:CC rejected; CAP is active on partition PPP
```

Explanation: The RELease command was issued for CAP *AA:LL:CC*, but the CAP is active on another partition.

System Action: The CAP is not released.

User Response: Release the CAP on the host that is currently using the CAP.

SLS4001I

```
CCCCCCCC CAP AA:LL:CC failed. CAP not operational
```

Explanation: The *CCCCCCCC* requested a CAP that was not operational.

System Action: The command terminates.

User Response: Determine why the CAP is not operational. If the problem is corrected, then modify the CAP online and re-enter the failing *CCCCCCCC* command.

SLS4002I

```
CCCCCCCC CAP AA:LL:CC failed. CAP is unallocated
```

Explanation: The *CCCCCCCC* command requested an unallocated CAP.

System Action: The command terminates.

User Response: Determine why the CAP is unallocated. Once the problem is corrected, modify the CAP online and re-enter the failing *CCCCCCCC* command.

SLS4068I

```
Current TRACELKP Status:

   TAPEREQ       {Traced|NOT Traced}
   UNITATTR      {Traced|NOT Traced}
   VOLATTR       {Traced|NOT Traced}
   LMUPATH       {Traced|NOT Traced}
   MVCPOOL       {Traced|NOT Traced}
   MGMTCLAS      {Traced|NOT Traced}
   STORCLAS      {Traced|NOT Traced}
   LKEYINFO      {Traced|NOT Traced}
   LOOKFAIL      {Traced|NOT Traced}
```

Explanation: The TRACELKP command successfully completed. A list of LOOKUP tables and their tracing status is displayed.

System Action: HSC processing continues.

User Response: None.

SLS4075I

```
Spent cleaning cartridge volser did not clean  {drive
XXXX|driveid AA:LL:PP:NN}; cartridge {returned to home
cell|left mounted|errant}
```

Explanation: The cleaning cartridge *volser* did not clean the drive because its cleaning material has been exhausted (spent).

System Action: The LMU returns the spent cleaning cartridge to its source. If it cannot do so, the volume becomes errant. In the event of a mount failure, the cartridge is left mounted and the HSC attempts to eject it.

User Response: Spent cleaning cartridges should be ejected from the ACS and replaced with new cleaning cartridges compatible with the transport(s).

SLS4076I

```
Special use action by cartridge volser failed on {drive
XXXX|driveid AA:LL:PP:NN}; cartridge {returned to home
cell|left mounted|errant}
```

Explanation: A special use cartridge has been mounted on the indicated drive, but the requested action failed. Special use cartridges include 9840 microcode update and 9840 dump collection cartridges.

System Action: The LMU returns the special use cartridge to its home cell. If it cannot do so, the volume becomes errant. In the event of a mount failure, the cartridge is left mounted and the HSC attempts to eject it.

User Response: If the cartridge is left mounted, dismount it. Eject the special use cartridge. If it is a 9840 dump collection cartridge, there may be no dumps to collect. If it is a 9840 microcode update cartridge, contact your StorageTek Software CSE to determine the action required.

SLS4077I

```
Cleaning cartridge volser with select count DDD is {over-
limit|spent}; cartridge ejected from ACS AA
```

Explanation: The cleaning cartridge specified has a select count of *DDD*. The cleaning cartridge is over-limit (its use count is found to be greater than the applicable MAXclean value) or spent (the cleaning material has been exhausted). This message is issued when the HSC has been directed to eject an over-limit or spent cleaning cartridge in the ACS. The message is issued prior to dismounting and ejecting the cartridge.

System Action: The HSC continues with the dismount and ejection of the cartridge.

User Response: Remove the cartridge when the message to empty the CAP is received.

SLS4078I

```
Unable to dismount volume volser to home cell AA:LL:PP:RR:CC;
ejecting volume on drive
```

Explanation: The dismount of volume volser encountered another volume in its home cell AA:LL:PP:RR:CC. This message may be preceded by an SLS4081E message which displays the volume found in the home cell. If the SLS4081E message does not appear, the LSM may have a hardware problem.

System Action: Volume volser is ejected from the library.

User Response: If this message was preceded by an SLS4081E message, an audit of the home cell location AA:LL:PP:R:CC may be required to locate the volume in the home cell and insert it into the CDS.

If an SLS4081E message did not appear, audit the home cell location to determine whether a volume resides in the cell.

If no volume is found, contact your Oracle CSE to determine the action required.

SLS4080D

```
Requested {drive XXXX|driveid AA:LL:PP:NN} reserved by host
CCCCCCCC; reply Ignore or Retry (I,R)
```

Explanation: The HSC attempted to reserve a drive for mount or dismount. Another host has reserved the drive.

System Action: The HSC waits for the host to release the drive or for your response to this message.

User Response: Reply with one of the following:

I (Ignore)	Cancels the mount/dismount request
R (Retry)	Attempt to reserve the drive.

Use the HSC RECover *host-id* command to recover a host that is no longer active to clear up its drive reserves.

SLS4081E

```
Dismount of cartridge volser1 from {drive XXXX|driveid
AA:LL:PP:NN}; found volser2 in home cell AA:LL:PP:RR:CC
```

Explanation: If *volser1* and *volser2* have the same volume serial, a duplicate volume may be present in the library, or two concurrent dismount requests may have been processed by the LMU. If *volser1* and *volser2* have different volume serials, another volume is in the home cell of *volser1*.

System Action: If *volser1* and *volser2* have the same volume serial, a cell scan of the drive is performed to determine whether a duplicate volume is in the ACS. If *volser1* is not equal to *volser2* then a new home cell is acquired for *volser1*.

User Response: An audit of the home cell location *AA:LL:PP:RR:CC* may be required to locate *volser2* and insert it into the CDS.

SLS4082I

```
Dismount of cartridge volser1 from {drive XXXX|driveid
AA:LL:PP:NN}; expected volser2; drive found loaded
```

Explanation: The HSC attempted to dismount volume *volser1* from a drive but the drive is loaded. The drive status information indicates that *volser2* is mounted on the drive. Either a different physical volume *volser1* is on the drive, or the internal volume serial *volser1* does not match the external volume serial *volser2*.

System Action: The HSC continues processing.

User Response: If the volume on the drive should be dismounted, issue the MSP UNLOAD command and then issue the HSC DISMount command.

SLS4083I

```
Dismount of cartridge volser1 from {drive XXXX|driveid
AA:LL:PP:NN}; volume location information is incorrect; volume
deleted from database
```

Explanation: The HSC attempted to dismount volume *volser1*. The volume status information indicates the volume is errant, but the HSC failed to locate the volume.

System Action: The HSC deletes the volume from the database.

User Response: If the volume is not found on the drive and is believed to be in the library, run the audit utility.

SLS4084D

```
Swap of volume to same {drive XXXX|driveid AA:LL:PP:NN}; reply
"S", "C", or "I" to Swap, Clean, or Ignore
```

Explanation: A swap operation specified the same drive that the volume is mounted on.

System Action: The HSC waits for a response to this message.

User Response: Reply with one of the following:

S (Swap)	Dismount the volume and remount to the same drive.
C (Clean)	Dismount the volume, mount a cleaner cartridge, and remount the volume when the cleaning is complete.
I (Ignore)	Cancel the mount/dismount request

SLS4085I

Swap of *volser* on {drive *XXXX*|driveid *AA*:*LL*:*PP*:*NN*} - Volume
not on drive

Explanation: The HSC attempted to dismount volume *volser* from a drive, but either
the drive is empty or a different cartridge is mounted.

System Action: The swap operation fails.

User Response: If the swap operation is required, use HSC commands to perform
the swap operation. First, issue the HSC DISMount command to remove the current
volume from the drive. Then, issue the HSC Mount command to mount the volume
on the new drive.

SLS4086I

{Mount|Dismount} of *volser* {on|from} {drive *XXXX*|driveid
AA:*LL*:*PP*:*NN*} sent to HSC

Explanation: This message is returned to SMC when a dismount or non-MSP mount
is queued for processing by HSC.

System Action: None. The requested dismount or mount will be processed by HSC.
No error messages from the operation are returned to SMC.

User Response: None.

SLS4087I

Dismount request for {drive *XXXX*|driveid *AA*:*LL*:*PP*:*NN*} - found
{drive reserved|drive loaded on scan|drive loaded on
dismount}; request terminated

Explanation: The HSC was unable to complete a dismount operation requested from
SMC because of the condition indicated in the message.

System Action: The dismount request is terminated. If the next mount for the drive
is an MSP mount requested by SMC, the drive will be unloaded or the system will
wait until the drive is no longer reserved. If the next mount for the drive is a non-
MSP mount (for example, an RTD mount), WTOR messages will be issued to wait or
force the drive unload.

User Response: None.

SLS4088I

Duplicate volser *volser* in cell *AA*:*LL*:*PP*:*RR*:*CC* and on {drive
XXXX|driveid *AA*:*LL*:*PP*:*NN*}; ejecting volume on drive

Explanation: This message is displayed when the same volume serial is found both
in the volume's home cell and on the drive during a dismount.

System Action: The volume on the drive will be ejected from the ACS, and the
volume serial will be removed from the CDS.

User Response: Audit the cell shown in the message to re-add the volume to the
CDS.

SLS4089E

Mount/Dismount from SMC 6.0 is not supported.

Explanation: A mount/dismount request was made from SMC 6.0 to HSC 7.0 or above. HSC 7.0 or above does not support requests from SMC 6.0.

System Action: Mount/Dismount request fails.

User Response: Upgrade you SMC client to SMC 7.0 or above.

SLS4150I

Number of drives per panel cannot be changed with FORHOST

Explanation: The number of drives specified on a SET SLIDRIVS utility control statement does not match the current number of drives defined for the panel. This SET SLIDRIVS statement included the FORHOST parameter. Changing the number of drives on a panel for only one host is not supported.

System Action: The control statement is ignored. A return code of 8 is set.

User Response: Correct the number of drives on the SET SLIDRIVS statement to agree with the existing value, or remove the FORHOST parameter from the statement to change the number of drives for all hosts, and resubmit the SLUADMIN utility job.

SLS4151I

HSC Parmlib not accessible, data reported may be incorrect

Explanation: The HSC Parmlib is not accessible, and data reported may be incomplete or incorrect. The Parmlib may be identified by the SLSSCRPL DD statement or accessed by the active HSC on this host.

System Action: The utility continues processing. Scratch subpool totals will not be produced and scratch subpool IDs will not be reported for volumes. Because the global maximum cleaning limit cannot be determined, cleaning cartridges over the maximum usage limit are not reported.

User Response: Identify the HSC Parmlib via the SLSSCRPL DD statement or by running the utility on a host with an active HSC that accesses the correct Parmlib.

SLS4152I

Panel must be empty to use SET SLIDRIVS to change cell geometry

Explanation: The SET SLIDRIVS utility control statement cannot be used to change one type of drive panel to another unless the two panels have the same cell geometry or the panel being changed is empty.

System Action: The utility control statement is ignored. A return code of 8 is set.

User Response: Either (1) resubmit the job, changing the number of drives defined for the panel, or (2) set MNTD Float(OFf) and do not enter volumes into the LSM, then use the MOVe or EJect command or utility to remove all volumes from the panel and then resubmit the job.

SLS4153I

CDS *C...C* DDNAME *DDDDDDDD* is inconsistent with the active set; ignored

Explanation: A CDS input to the utility is not part of the active set based on the selected primary CDS.

System Action: The utility continues. The named CDS data set is not updated.

User Response: Examine the JCL supplied for the utility along with the HSC subsystem to determine the correct CDS names. You may want to issue a CDS ENABLE command to the HSC subsystem to re-enable a previously disabled CDS copy.

SLS4154I

SET CDSLVL REGRESS is not allowed; host *CCCCCCCC* marked as active

Explanation: The SET CDSLVL REGRESS utility cannot be executed while the HSC is marked as active on any host.

System Action: The utility control statement is ignored. A return code of 8 is set.

User Response: Stop or recover HSC on all hosts and resubmit the job.

SLS4155I

SET CDSLVL CONVERT requires all active hosts to have coexistence PTFs applied

Explanation: The SET CDSLVL CONVERT utility requires that all active hosts must be executing HSC 2.0.1 with the PTF(s) for HSC 2.1 coexistence applied.

System Action: The utility control statement is ignored. A return code of 8 is set.

User Response: Bring all hosts to the required HSC maintenance level and resubmit the job.

SLS4156I

SET CDSLVL REGRESS failed; invalid LSM or panel type found in CDS

Explanation: The SET CDSLVL REGRESS utility attempted to regress a CDS to an earlier CDS level. However, an LSM or panel type was defined in the CDS which is not supported at the earlier CDS level.

For example, 9740 LSMs and drive panels configured for 20 drives are not supported at CDS level 2.0.0. Thus a 2.1.0 level CDS which includes 9740 LSMs or 20 drive panels cannot be regressed to CDS level 2.0.0.

System Action: The utility control statement is ignored. A return code of 8 is set.

User Response: All LSMs which are not supported at the earlier CDS level must be removed from the library configuration before the CDS can be regressed to the earlier CDS level. The LIBGEN, SLICREAT, and RECONFIG processes can be used to remove the LSMs from the library configuration. Then the CDS can be regressed to an earlier CDS level.

SLS4157I

```
SET SLIDRIVS requires host CCCCCCCC down or LSM AA:LL offline
```

Explanation: The SET SLIDRIVS utility requires that all affected hosts be down or the LSM offline to change existing drives or panel type.

System Action: The utility control statement is ignored. A return code of 8 is set.

User Response: Bring down all affected hosts or modify the LSM offline, and resubmit the SET SLIDRIVS utility.

SLS4158I

```
HOST CCCCCCCC LSM(AA:LL) PANEL(PP) drive unit addresses
changed:

From:   XXXX, XXXX, XXXX, XXXX ...
        XXXX

To:     XXXX, XXXX, XXXX, XXXX ...
        XXXX

Model: NNNN
```

Explanation: The SET SLIDRIVS command has changed unit addresses for a host. MODEL is shown only when MODEL is specified on the SET SLIDRVIS control statement.

System Action: None.

User Response: None.

SLS4159I

```
WARNING: REGRESS with HSC 2.1 created CDS
```

Explanation: The CDS was created with HSC 2.1 SLICREAT.

System Action: Regress of CDS continues, but the CDS may be incompatible with some utilities and may cause unpredictable results.

User Response: The regressed CDS should be run through RECONFIG. Create new HSC 2.0 CDSs and specify them in the RECONFIG RECDEF PARMLIB statement; specify the regressed CDS in the CDSDEF PARMLIB statement.

SLS4161I

```
Number of drives is invalid
```

Explanation: The number of drives defined in the panel is not an allowable value or exceeds the maximum allowed for the LSM type.

System Action: A return code of 8 is set and the utility function terminates.

User Response: Correct the error and resubmit the job.

SLS4162I

Panel map not found for panel *PP* in LSM *AA:LL* panel type *TT*

Explanation: The panel cell map for the indicated panel type was not found in the panel map table.

System Action: A return code of 8 is set and the utility function terminates.

User Response: Make sure that the utility is executing with the correct version of the HSC software. If the error persists, contact StorageTek Software Support.

SLS4163I

Insufficient space for *CCCCCCCC* data set; number of blocks required is *DDDDD*

Explanation: Processing could not continue against the *CCCCCCCC* data set because insufficient space was allocated.

System Action: The program terminates.

User Response: Supply the proper amount of space and resubmit the job.

SLS4164E

CDS error - missing {ACS|LSM} for {LSM *AA:LL*|DRIVEID *AA:LL:PP:NN*|CAP ID *AA:LL:CC*}

Explanation: A record was found with a key that does not match any existing ACS/LSM.

System Action: The utility terminates with return code 8. If the error is encountered in SLUDBMAP (LIBGEN), then statements are generated for portions of the library that are not in error.

User Response: Report this condition to StorageTek Software Support. It may be necessary to re-create the CDS using the merge or reconfigure utility.

SLS4165I

Output of CDS convert may be invalid

Explanation: An LSM record was found with a drive panel which did not have a valid number of drive slots.

System Action: The utility completes and issues a return code of 4.

User Response: Report this condition to StorageTek Software Support. It may be necessary to re-create the CDS using the merge or reconfigure utility.

SLS4166E

Number of ACSs is greater than 100

Explanation: During execution of the LIBGEN utility, a total ACS count greater than 100 was found.

System Action: The utility completes and issues a return code of 4. No output is generated for ACS IDs greater than 99 (hexadecimal 63).

User Response: If "place holder" ACSs defined in the CDS which cause the number to be greater than the new maximum of 100, you will need to create a new CDS with a number of ACSs less than or equal to the maximum, and execute the CDS MERGE utility to transfer data from the existing CDS to the new CDS.

SLS4167E

```
ACS AA contains more than 100 LSMs
```

Explanation: During execution of the LIBGEN utility the ACS *AA* was found to have more than 100 LSMs. If the ACS FUTRACS is displayed, it indicates that the LSM portion of the FUTRACS parameter is too large.

System Action: The utility completes and issues a return code of 8 if the ACS is a real ACS or a return code 4 if the ACS is FUTRACS.

Generated SLIACS macros do not include the LSMs with IDs greater than hexadecimal 63, but SLILSM records are generated for them.

User Response: If this message appears for a real ACS, the output of the LIBGEN utility cannot be used as input to the LIBGEN assembly process.

Examine your configuration to determine how to eliminate unused LSMs, and create a new CDS with the corrected configuration. Then execute the CDS MERGE utility to transfer data from the existing CDS to the new CDS.

SLS4168I

```
FUTRACS would create more than 100 ACSs, resetting to NN
```

Explanation: During execution of the LIBGEN utility it was determined that the number of existing ACSs plus the number of future ACSs would exceed the system maximum of 100.

System Action: The utility sets the FUTRACS parameter to the difference between 100 and the current number of ACSs and continues processing. If no other errors are found, the utility terminates with a return code of 4.

User Response: None.

SLS4169I

```
FUTRLSM would create more than 100 LSMs, resetting to NN
```

Explanation: During execution of the LIBGEN utility it was determined that the number of existing LSMs plus the number of future LSMs in an ACS would exceed the system maximum of 100.

System Action: The utility sets the FUTRLSM parameter to the difference between 100 and the current number of LSMs in the ACS and continues processing. If no other errors are found, the utility terminates with a return code of 4.

User Response: None.

SLS4196I

```
DDNAME {SLSCNTL|SLSCNTL2|SLSSTBY} is not a valid CDS format,
{CCC...CCC}
```

Explanation: The DDNAME specified refers to a data set that is not a valid CDS format. CCC...CCCC indicates the error.

System Action: Utility processing is terminated.

User Response: Correct the utility JCL and resubmit the job.

SLS4170D

Unable to dismount *volser* to home cell *AA:LL:PP:NN*. Reply A to
allocate a new home cell or E to eject

Explanation: An attempt was made to dismount volume *volser* to its home cell but the home cell was occupied by another volume and FLOAT OFF was in use.

System Action: The dismount waits for a reply of A or E.

User Response: Replying with A allows HSC to allocate a different home cell for volume *volser*. Replying with E causes volume *volser* to be ejected.

SLS4200I

Duplicate vaulted volume *VVVVV* found in "FROM" and "TO" CDS

Explanation: During the merge process, the indicated Vaulted Volume *VVVVVV* was found to be a duplicate in the "FROM" and "TO" CDS.

System Action: The utility continues. The merge process will not copy the Vaulted Volume information from the "FROM" CDS into the "TO" CDS. The existing Vaulted Volume in the "TO" CDS will be unaffected. A return code of 4 is set.

User Response: Verify that the duplicate Vaulted Volume is processed as intended.

SLS4201I

Merge command with REALONLY|VIRTONLY parameter will be
replaced by SLSMERGE parameter ALLREAL|ALLVIRT in a future
release

Explanation: The REALonly|VIRTonly parameters in the MERGE command will be replaced by the ALLREAL|ALLVIRT parameters in a future release.

System Action: The utility continues.

User Response: In the future, use the SLSMERGE ALLREAL parameter instead of the MERGE REALonly parameter and the SLSMERGE ALLVIRT parameter instead of the MERGE VIRTonly parameter. Use the NOREAL, NOVIRT and NOVALT parameters to prevent specific data types from merging.

SLS4202I

Merge command parameter REALONLY|VIRTONLY has been detected;
SLSMERGE NOVIRT/NOREAL and NOVALT parameters have been
automatically set

Explanation: The MERGE REALonly|VIRTonly parameters will be replaced in a future release with the SLSMERGE ALLREAL|ALLVIRT parameters. To support the MERGE REALonly|VIRTonly parameters, the SLSMERGE NOREAL|NOVIRT and NOVALT parameters will be set when the REALonly|VIRTonly parameters are detected.

System Action: The utility continues.

User Response: In the future, use the SLSMERGE
ALLREAL|ALLVIRT|NOREAL|NOVIRT|NOVALT parameters instead of the
REALonly|VIRTonly parameters.

SLS4203I

```
SLSMERGE parameters:

- NOREAL and NOVIRT

or

- NOREAL, NOVIRT, and NOVALT

have been requested which indicates to merge nothing
```

Explanation: Requesting SLSMERGE parameters:

- NOREAL and NOVIRT without vault information in the CDS

or

- NOREAL, NOVIRT, and NOVALT

in the same merge job indicates to merge nothing.

System Action: The CDS Merge process terminates.

User Response: Correct the error and resubmit the CDS Merge.

SLS4204E

```
{ACS AA|LSM AA:LL} on MERGE control statement not found in
{FROM|TO} CDS
```

Explanation: A MERGE control statement contains an ACS or LSM that does not exist in the specified CDS.

System Action: The utility continues with the validation process. The merge will not occur. A return code of 8 is set.

User Response: Correct the information and resubmit the utility job. If the TO CDS was just created with the SLICREAT utility, ensure that it contains the correct ACS and LSM information.

SLS4205E

```
LSM AA:LL in MERGE TO CDS is not empty
```

Explanation: The merge utility has detected that the indicated LSM, which is a destination LSM for the merge, contains one or more volumes in the TO CDS.

System Action: The utility continues with the validation process. The merge will not occur. A return code of 8 is set.

User Response: Verify that the LSM is the intended merge destination. If it is, then EJect or MOVe all volumes before proceeding with the merge.

SLS4206I

LSM *AA:LL* in FROM CDS is not same type as LSM *AA:LL* in TO CDS

Explanation: The source and destination LSMs in the CDS merge are not the same LSM type.

System Action: The utility continues. The merge is not performed for this LSM.

If the LSM was requested with a specific FLSM/TLSM parameter statement, then the merge will not occur, and a return code of 8 is set.

If the unmatched LSM is within an ALL or FACS/TACS parameter statement, and the VALIDate option was not specified, then the merge will occur for other LSMs, and a return code of 4 is set.

User Response: If the FLSM/TLSM parameter was specified for the LSM, correct the statement and resubmit the utility. If the LSM is within a specified ACS or is part of an ALL group, verify that the LSM should be bypassed in the merge process.

SLS4207I

Panel *PP* LSM *AA:LL* in FROM CDS is not same type as LSM *AA:LL* in TO CDS

Explanation: The panel type for panel *PP* is not the same in the merge FROM and TO CDSs.

System Action: The utility continues. Volumes on the unmatched panel are not merged. A return code of 4 is set.

User Response: Verify that the panel is specified correctly in the TO CDS.

SLS4208I

LSM *AA:LL* does not exist in TO CDS

Explanation: There is no LSM *AA:LL* in the MERGE TO CDS. The merge was specified using either the ALL option or the FACS/TACS control statement.

System Action: The utility continues. Volumes from the indicated LSM will not be merged. A return code of 4 is set.

User Response: Verify that the LSM should be bypassed in the merge process.

SLS4209I

Duplicate volume *volser* found in FROM CDS; target location is ACS(*AA*) LSM(*LL*) PANEL(*PP*) ROW(*RR*) COLUMN(*CC*)

Explanation: During the merge process, a volume (*volser*) in a merged LSM on the FROM CDS already exists in the TO CDS.

System Action: The utility continues. The merge process will not copy the volume information into the destination LSM of the TO CDS. The existing volume in the TO CDS will be unaffected. A return code of 4 is set.

User Response: Verify that the duplicate volume is processed as intended. Following the merge, execute the AUDIt utility function on all target locations that contained duplicate volumes to eject the duplicates from the LSM.

SLS4210I

```
Volume volser found errant during Merge; target home location
is ACS(AA) LSM(LL) PANEL(PP) ROW(RR) COLUMN(CC)
```

Explanation: The merge function encountered an errant volume (*volser*) in the FROM CDS whose home location in the TO CDS will be *AA:LL:PP:RR:CC*.

System Action: The utility continues. If the VALIDate option was not specified, the errant volume was copied to the TO CDS and marked errant. A return code of 4 is set.

User Response: Perform an audit of the specified cell on the TO CDS after the merge to clear errant status.

SLS4211I

```
Volume volser found selected during Merge; target home
location is ACS(AA) LSM(LL) PANEL(PP) ROW(RR) COLUMN(CC)
```

Explanation: The merge function encountered a selected volume (*volser*) in the FROM CDS whose home location in the TO CDS will be *AA:LL:PP:RR:CC*.

System Action: The utility continues. If the VALIDate option was not specified, the selected volume was copied to the TO CDS and marked unselected. A return code of 4 is set.

User Response: Perform an audit of the specified cell on the TO CDS after the merge to verify the location of the volume.

SLS4212E

```
FROM CDS name is the same as TO CDS name
```

Explanation: The FROM CDS has the same data set name as the primary, shadow, or standby version of the TO CDS.

System Action: The CDS Merge process terminates.

User Response: Correct the name of the file specified as the FROM CDS on the SLUADMIN jobstep.

SLS4213I

CDS Merge Phase *N* (CCCCCCCC) completed

Explanation: This is a SLUADMIN MERGEcds utility checkpoint message, indicating that phase *N*, function *CCCCCCCC*, has completed. Phases are:

Phase 1-Initialization

The merge process has successfully reserved the TO CDS and has allocated, initialized, and reserved the FROM CDS.

Phase 2-Validate Parameters

The merge process has validated all LSMs being merged.

Phase 3-Build Dataspace

The merge process has successfully allocated and populated the dataspace with merged CDS information.

Phase 4-Write Dataspace

The merge process has successfully written the merged data to the primary CDS copy. Phase 4 is bypassed when the VALIDate option is specified.

Phase 5-Cleanup

The merge process has successfully copied the primary CDS to the secondary version (if any), and has completed the termination process.

System Action: After completion of Phases 1 through 4, the merge process continues. After completion of Phase 5, the merge process terminates.

User Response: None.

SLS4214E

Creation of CDS Merge utility Data Space failed – *MMMMMMMM-CC-RRRRRRRR*

Explanation: *MMMMMMMM* is the IBM macro call that failed while creating the CDS Merge utility data space. *CC* is the return code describing the failure. *RRRRRRRR* is the reason code describing the failure. Refer to the appropriate IBM documentation for an explanation of the return/reason code.

If the failing macro is DSPSERV with a return code of "08" and a reason code of "xx0005xx", the size of the data space violates installation criteria (IEFUSI exit).

This indicates that the HSC is not running in Protect Key 1-7. Check the MSP Program Properties Table in the SCHEDxx member of SYS1.PARMLIB for proper specification of the Protect Key for HSC.

System Action: The CDS Merge process terminates.

User Response: Determine the cause of the failure, and resubmit the CDS Merge utility request.

SLS4215E

No DD statement(s) found for FROM CDS.

Explanation: A MERGEcds command did not include any DD statements for the FROM CDS.

System Action: The CDS Merge process terminates.

User Response: Supply a DD statement for SLSFCNTL, specifying the FROM CDS. If shadow and/or standby copies are available, supply DD statements (SLSFCTL2/SLSFSTBY) for these files as well. The CDS merge utility will determine the current primary CDS and use it as the FROM CDS for the merge.

SLS4216E

Missing or invalid SLSMERGE data set found for MERGEcds

Explanation: Either the SLSMERGE DD statement was missing, or the data set could not be opened, or no parameters were found and the keyword "ALL" was not specified on the MERGEcds statement.

System Action: The CDS Merge process terminates.

User Response: Either specify "ALL" on the MERGEcds statement, or include an SLSMERGE DD statement with one or more parameters in the SLUADMIN job.

SLS4217E

MERGEcds ALL was specified with a SLSMERGE DD statement

Explanation: The MERGEcds statement specified ALL, but an SLSMERGE DD statement was found in the SLUADMIN job.

System Action: The CDS Merge process terminates.

User Response: Either remove the ALL keyword from the MERGEcds statement, or remove the MERGEDEF DD statement from the SLUADMIN job.

SLS4218I

CDS Merge complete on *CCCC...CCCC*

Explanation: The CDS Merge has successfully updated the CDS with a data set name of *CCCC...CCCC.*

System Action: The CDS Merge process continues.

User Response: None.

SLS4219E

Unable to select a primary CDS for MERGEcds

Explanation: For all the FROM CDS copies specified as input to SLUADMIN, information in the DHB was inspected. The best CDS copy was not a primary or secondary CDS when it was last used, and it has not been restored since; therefore it would not be a valid primary CDS.

System Action: The CDS Merge process terminates.

User Response: Review the SLSFCNTL, SLSFCTL2, and SLSFSTBY data sets that were specified for the SLUADMIN job. If the right data sets were specified, use the HSC BACKup utility to select and back up the most current CDS copy, followed by an HSC RESTore to synchronize all CDS copies. Then restart the SLUADMIN job.

SLS4220I

Cleaner prefix *XXX* on FROM CDS does not match *XXX* on TO CDS

Explanation: There is a mismatch in the cleaner prefixes for two CDSs being merged.

System Action: The CDS Merge process continues. If any cleaning cartridges are found in the FROM CDS they will be listed in message SLS4221E.

User Response: If the CDS Merge was run with the VALIDate option, eject all cleaning cartridges from the FROM LSM.

If the CDS Merge was run without the VALIDate option, eject all cleaning cartridges from the TO LSM after the merge completes.

SLS4221E

Volume *VVVVV* in LSM *AA:LL* merged as non-cleaner

Explanation: Volume *VVVVV* has a prefix matching the cleaner prefix of the FROM CDS but not the TO CDS.

System Action: The CDS Merge process continues. The volume is added to the TO CDS, but it will not be used as a cleaning cartridge.

User Response: If the CDS Merge was run with the VALIDate option, eject the volume from the FROM LSM.

If the CDS Merge was run without the VALIDate option, eject the volume from the TO LSM after the merge completes.

SLS4222E

Duplicate {FROM|TO} {ACS *AA*|LSM *AA:LL*} found on MERGE control statement

Explanation: A duplicate ACSid or LSMid was specified as the FROM or TO ACS/LSM on a MERGE control statement, or the ACSid of a FROM/TO merge parameter overlaps another FROM/TO LSMid.

System Action: The CDS Merge process terminates.

User Response: Correct the error and resubmit the CDS Merge.

SLS4223E

Audit in progress on TO LSM *AA:LL*

Explanation: There is an audit in progress on LSM *AA:LL* which is the target of a CDS Merge.

System Action: If the VALIDate option was specified, a return code of "4" is set and the validation process continues; otherwise, the CDS Merge process terminates.

User Response: Resubmit the CDS Merge after the audit completes. If the LSM contains volumes, it cannot be the target of a merge.

SLS4225E

Unexpected CDS Merge error - Component=*MMMMMMMM*, RC=*XXXXXXXX*

Explanation: While processing a CDS Merge, an unexpected error occurred. *MMMMMMMM* is the name of the HSC component that failed. *XXXXXXXX* is the return code from the operation.

System Action: The CDS Merge process terminates.

User Response: Check the return code associated with the named component. If you are unable to resolve the problem, contact StorageTek Software Support.

SLS4226I

SLSMERGE input parameter:*XXXX...XXXX*

Explanation: The indicated parameter statement has been read from the SLSMERGE data set.

System Action: None.

User Response: None.

SLS4227E

VAR|VVOL area overflow during CDS merge

Explanation: There is no space in the TO CDS to add a volume in either the VAR or VVOL area.

System Action: The CDS Merge process terminates.

User Response:

- If the overflow is due to no space in the VAR area, increase the size of the TO CDS with the LIBGEN process.
- If the overflow is due to no space in the VVOL area, increase the size of the TO CDS with the LIBGEN process and SET VAULTVOL utility.

SLS4228E

MERGECDS requires HSC at base level; MERGECDS terminated

Explanation: MERGEcds requires that HSC be at base service level.

System Action: The CDS Merge process terminates.

User Response: Use the SRVlev command to change the service level to BASE or stop HSC and restart it using the BASE parameter.

SLS4230I

CCCCCCCC1 CCCCCCCC2 parameter not valid

Explanation: Parameter *CCCCCCCC2* of command or control statement *CCCCCCCC1* is not valid.

System Action: The utility continues processing. Reports generated may be incorrect. A return code of X'04' is set.

User Response: Correct the command or control statement in error and rerun the utility.

SLS4231I

```
Panel PP on LSM AA:LL CCCCCCCC
```

Explanation: Confirmation that LSM *AA:LL* Panel *PP* has been frozen or unfrozen.

System Action: The SET function is complete.

User Response: None.

SLS4232I

```
Entire LSM AA:LL CCCCCCCC
```

Explanation: Confirmation that the entire LSM AA:LL has been frozen or unfrozen. If the state is already what was asked for, the message will say that it is already frozen or unfrozen.

System Action: The SET function is complete.

User Response: None.

SLS4233I

```
Unable to Freeze/Unfreeze an unallocated or non-existent LSM
or panel
```

Explanation: An attempt was made to freeze or unfreeze an unallocated LSM or a panel that is unallocated in an LSM.

Also, you can get this error if you try to Freeze or Unfreeze a non-existent LSM or panel. An unallocated panel will be bypassed and can not be frozen or unfrozen.

System Action: The SET function is complete with RC=8

User Response: None.

SLS4235E

```
Duplicate (MVC|VTV) volume (VVVVVV) found in FROM CDS
```

Explanation: During the merge process, a volume (*VVVVVV*) already exists in the TO CDS.

System Action: The utility continues. The merge process will not copy any MVC and VTV volumes to the TO CDS. A return code of 8 is set.

User Response: Correct the MVC/VTV conflict and resubmit the CDS Merge.

SLS4236E

```
VTV/MVC conflicts detected; Virtual volumes not merged
```

Explanation: During the merge process, a virtual volume (VTV or MVC) on the 'FROM' CDS exists as a VTV, MVC, or real volume on the 'TO' CDS. The merging of virtual (VTV/MVC) volume information is not performed.

System Action: The utility continues. The merge process will not copy any MVC and VTV volumes to the 'TO' CDS, but real volume merge is done (if requested). A return code of 8 is set.

User Response: Correct the VTV/MVC conflict and resubmit the CDS Merge.

SLS4237E

```
Duplicate {FROM|TO} VTSS NAME (XXXXXXXX) found on MERGE
control statement
```

Explanation: A duplicate VTSS name (*XXXXXXXX*) was specified as the FROM or TO VTSS name on a MERGE control statement. The merge was specified using the FVTSS/TVTSS control statement.

System Action: The CDS Merge process terminates.

User Response: Correct the error and resubmit the CDS Merge.

SLS4238E

```
VTSS NAME (XXXXXXXX) on MERGE control statement not found in
the {FROM|TO} CDS
```

Explanation: There is no VTSS name (*XXXXXXXX*) in the MERGE FROM or TO CDS. The merge was specified using the FVTSS/TVTSS control statement.

System Action: The CDS Merge process terminates.

User Response: Correct the error and resubmit the CDS Merge.

SLS4239E

```
{MVC|VTV} volume VVVVVV not configured in 'TO' CDS
```

Explanation: During MERGECDS processing, volume *VVVVVV* could not be copied because it is not configured in the 'TO' CDS. Deleting MVC or VTV volumes by not copying them is permitted only when both of the following are true:

- The DELVirt parameter is specified, and
- The 'FROM' CDS shows volume *VVVVVV* to be empty or uninitialized.

A VTV is considered empty if it is not resident and has no current MVC copies. An MVC is considered empty if it contains no current VTVs and, if previously used, has been drained.

System Action: The utility continues. The merge process will not copy any MVC or VTV volumes to the 'TO' CDS. Return code 8 is set.

User Response: If merge processing should copy volume *VVVVVV* to the 'TO' CDS, correct the configuration of the 'TO' CDS to include volume *VVVVVV* in an MVC or VTV range (as appropriate), then rerun the merge.

If merge processing should delete volume *VVVVVV*, by not copying it to the 'TO' CDS:

- Ensure the DELVirt parameter is specified.
- If volume *VVVVVV* is a VTV, ensure that the 'FROM' CDS shows VTV *VVVVVV* as not resident and with no current MVC copies. If VTV *VVVVVV* is scratch, the DELETSCR utility can be used to delete resident and MVC copies of the VTV.
- If volume *VVVVVV* is an MVC, ensure that the 'FROM' CDS shows MVC *VVVVVV* to be empty, i.e. containing zero (0) VTVs. If MVC *VVVVVV* previously contained VTVs, run an MVCRPT. If a value is displayed in the 'Owner/Comment/Consolidate Time' column, MVC *VVVVVV* needs to be drained. Once drained, no value is displayed in that column.
- Once the conditions for deleting volume *VVVVVV* have been met, rerun the merge.

SLS4240E

MVC volume *VVVVV* is a duplicate of a real volume

Explanation: During the merge process, a VTV volume *VVVVVV* was found to be a duplicate of a real volume.

System Action: The utility continues. The merge process will not copy any MVC and VTV volumes to the 'TO' CDS. A return code of 8 is set.

User Response: Correct the VTV/real volume conflict and resubmit the CDS Merge.

SLS4243E

PARAMETER ALLVIRT specified, but no virtual data defined in
"TO"│"FROM" CDS.

Explanation: The specification of ALLVIRT was made, but no virtual configuration data was found in the "TO" or "FROM" CDS.

System Action: The utility terminates following phase 2. No data was merged. A return code of 8 is set.

User Response: Correct the parameters and resubmit the CDS Merge. Make sure that the SWSADMIN CONFIG function has been run against the "TO" CDS.

SLS4244W

PARAMETER "ALL" specified, but no virtual data was defined in
the "TO" CDS. No virtual data copied.

Explanation: The specification of "ALL" was made, but no virtual configuration data was found in the "TO" CDS. No virtual records were copied.

System Action: The utility has copied only "real" CDS data. A return code of 4 is set.

User Response: Run the SWSADMIN CONFIG function to define the virtual information, and resubmit the CDS Merge to copy the virtual information if desired.

SLS4245I

MVC/VTV volume *VVVVV* deleted from "TO" CDS during MERGE

Explanation: This message is issued whenever a VTV or MVC that is either uninitialized or empty in the source CDS and NOT defined in the target CDS is not copied to the target CDS during a MERGECDS operation.

System Action: None.

User Response: None.

SLS4246E

Migrated VTV *VVVVV* found in source CDS but corresponding MVC
VVVVV not defined in target CDS

Explanation: This message is issued during a MERGECDS operation when a migrated VTV is found in the source CDS but the MVC to which it has been migrated is not defined in the target CDS.

System Action: The REAL part of the CDS Merge process completes, but no VIRTUAL records are copied to the target CDS. The operation ends with a return code 8.

User Response: Either define the MVC in the target CDS or delete the VTV from the VTCS.

SLS4247I

CCCCCCCC parameter value invalid; must be 'YES' or 'NO'

Explanation: A SLUADMIN utility function specified a parameter with a value other than YES or NO.

System Action: The utility function terminates.

User Response: Correct the parameter on the utility control statement, and resubmit the SLUADMIN utility job.

SLS4248I

Volume *VVVVV* location *AA*:*LL*:*RR*:*CC*; ACS|LSM not found in CDS

Explanation: While attempting to calculate VOLRPT summary totals, the ACS or LSM for the volume's location did not match the ACS or LSM table built from the CDS.

System Action: The utility continues processing. Reports generated may be incorrect. A return code of X'04' is set.

User Response: Investigate whether the volume's location is incorrect or whether ACS/LSM records on the CDS are incorrect.

SLS4249E

Parameter "ALL" specified, but the "TO" CDS does not contain any VTV volumes

Explanation: The specification of "ALL" was made, but no virtual volumes are defined in the "TO" CDS.

System Action: The utility terminates following phase 2. No data was merged. A return code of 8 is set.

User Response: Run the SWSADMIN CONFIG function to define the virtual information, and resubmit the CDS Merge to copy the virtual information if desired.

SLS4251D

```
Prior RELease AA:LL:CC executing; reply Cancel current command
or Force release (C,F)
```

Explanation: A prior RELease command has been issued, or a release CAP request is executing for another host or a utility ESTAE.

The command waits for you to reply 'C' or 'F'.

- If you reply 'C', the RELease command is cancelled and the prior release process will continue executing.
- If you reply 'F', the current release process will be cancelled and an abbreviated CAP release will be performed.

Caution – **Caution:** A reply of 'F' may leave the CAP in an unusable state.

User Response: Attempt to determine the reason that the previous CAP task has not completed. Possible reasons may include an outstanding CAP operation or a WTOR. If so, attempt to perform the requested CAP operation. For example, empty the volumes from the CAP and close the CAP door, or reply to the outstanding message.

If no outstanding action message or WTOR exists, be aware that the release command may be performing a catalog of the CAP. The CAP catalog may take a few minutes, especially if the LMU is actively processing multiple requests. If this is the case, reply 'C' and wait for the prior release process to complete.

If you are unable to perform a requested CAP operation (for example, you are unable to empty the CAP because the CAP door is locked), reply 'F' to cancel the current release process. The new release process will perform an abbreviated release of the CAP.

SLS4252I

```
RELease AA:LL:CC command is waiting for {the CAP lock|LMU
response}
```

Explanation: A RELease command has been issued and has posted an active CAP task to terminate, but the task has not yet terminated.

System Action: The command waits.

User Response: Attempt to determine the reason that the previous CAP task has not completed. Possible reasons may include an outstanding CAP operation or a WTOR. If so, attempt to perform the requested CAP operation. For example, empty the volumes from the CAP and close the CAP door, or reply to the outstanding message.

If no outstanding action message or WTOR exists, be aware that the active CAP process may be waiting for a response from the LMU. The response may take a few minutes if the LMU is actively processing multiple requests.

SLS4266A

Cartridge *volser* in CAP *AA:LL:CC* has an invalid media label
and cannot be entered

Explanation: A cartridge (*volser*) has been found in CAP *AA:LL:CC* with an unreadable media label and cannot be entered.

System Action: Cartridge entry leaves the cartridge in the CAP cell in which it is found and unlocks the CAP so the cartridge can be removed.

User Response: Remove the cartridge from the CAP. If the cartridge must be entered, correct the media label.

SLS4270E

Duplicate {FROM|TO} VAULT name *CCCCCCCC* found on MERGE control
statement

Explanation: A duplicate FROM|TO Vault name *CCCCCCCC* was specified on the SLSMERGE FVAULT/TVAULT parameter card.

System Action: The CDS Merge process terminates.

User Response: Correct the error and resubmit the CDS Merge.

SLS4271E

VAULT name *CCCCCCCC* on SLSMERGE {FVAULT|TVAULT} parameter NOT
found in the {FROM|TO} CDS

Explanation: The Vault name *CCCCCCCC* specified in the SLSMERGE {FVAULT|TVAULT} parameter was not found in the {FROM|TO} CDS.

System Action: The CDS Merge process terminates.

User Response: Correct the invalid Vault name on the SLSMERGE {FVAULT|TVAULT} parameter and resubmit the CDS Merge.

SLS4272E

An invalid combination of {ALLREAL AND REAL|ALLVIRT AND
VIRTUAL|ALLVALT AND VAULT|ALLREAL AND NOREAL|ALLVIRT AND
NOVIRT|ALLVALT AND NOVALT} SLSMERGE cards coded

Explanation: SLSMERGE MERGE ALLxxxx parameters are mutually exclusive with SLSMERGE Fxxxx|Txxxx parameters.

System Action: The CDS Merge process terminates.

User Response: Correct the error and resubmit the CDS Merge.

SLS4273E

ALLVALT|FVAULT parm specified but no vaults were defined in
"FROM" CDS

Explanation: SLSMERGE ALLVALT|FVAULT parameter was specified but there were no vaults found in "FROM"

System Action: The utility terminates following phase 2. No data was merged. A return code of 8 is set.

User Response: Correct the error and resubmit the CDS Merge.

SLS4274E

    Cannot merge into "TO" VAULT *CCCCCCCC* because it is not empty

Explanation: "TO" vault *CCCCCCCC* already has volumes stored in it. The "TO" vault must be empty to allow volumes to be merged into it.

System Action: The CDS Merge process terminates.

User Response: Correct the error and resubmit the CDS Merge.

SLS4275E

    Cannot merge into "TO" VAULT *CCCCCCCC* because it is set up for
    fewer slots than "FROM" VAULT *CCCCCCCC*

Explanation: "TO" Vault *CCCCCCCC* was set up with fewer slots than "FROM" Vault *CCCCCCCC*. The "TO" Vault must be created with the same or greater than number of slots then "FROM" vault to allow for all the volumes in the "FROM" Vault to be migrated to the "TO" Vault.

System Action: The CDS Merge process terminates.

User Response: Correct the error and resubmit the CDS Merge.

SLS4276E

    There is {REAL|VIRTUAL|VAULT} data in "FROM" CDS but merge
    options selected will not merge this data into "TO" CDS

Explanation: The merge options selected will not merge {REAL|VIRTUAL|VAULT} that was found in the "FROM" CDS.

System Action: The CDS Merge process terminates.

User Response: Use the {NOREAL|NOVIRT|NOVALT} SLSMERGE parameter to not merge the specific data and resubmit the CDS Merge.

SLS4277I

    LSM *AA*:*LL* in the FROM CDS and LSM *AA*:*LL* in the TO CDS are not
    in the same partition

Explanation: The source and destination LSMs belong to different partitions. A DISPLAY LSM will show UNALLOCATED if the LSM in the TO CDS is not allocated to the current partition.

System Action: The utility continues. The merge is not performed for this LSM.

- If the LSM was requested with a specific FLSM/TLSM parameter statement, then the merge will not occur, and a return code of 8 is set.
- If the LSM is within an ALL or FACS/TACS parameter statement, and the VALIDate option was not specified, then the merge will occur for other LSMs, and a return code of 4 is set.

User Response: If the FLSM/TLSM parameter was specified for the LSM, correct the statement and resubmit the utility. If the LSM is within a specified ACS or is part of an ALL group, verify that the LSM should be bypassed in the merge process.

SLS4350I

```
CDS Merge terminated prematurely; merge complete on {NO CDS
copies|PRIMARY CDS copy|ALL CDS copies}
```

Explanation: The HSC subsystem merge process was notified of an abnormal termination of the merge utility. The merge has already updated the CDS copies noted.

System Action: The CDS Merge process terminates.

User Response: Check the message to determine the status of the merge, then proceed as follows:

- If no CDS copies were updated, then you can restart the merge at the beginning.
- If only the primary CDS copy was updated, then the secondary copy will be disabled automatically. You can enable the CDS to force synchronization with the primary.
- If all CDS copies were updated, then the merge is complete and no action is necessary.

SLS4351I

```
Inconsistent copy flag found on DDDDDDDD
```

Explanation: The utility function found the inconsistent copy flag turned on in the CDS copy for DDNAME *DDDDDDDD*.

System Action: If a valid CDS copy exists, the utility continues. The data set *DDDDDDDD* is not processed.

User Response: Synchronize the inconsistent copy by doing one of the following:

- Restore all CDS copies from a backup, or
- Enable the inconsistent copy to HSC. This will force synchronization of the inconsistent copy.

SLS4352I

```
'DIAGSCAN' parameter value invalid; must be 'ONLY' or 'ALSO'
```

Explanation: A SLUADMIN AUDIt utility specified a DIAGScan parameter with a value other than ONLY or ALSO.

System Action: The AUDit utility terminates.

User Response: Correct the DIAGScan parameter on the utility control statement and resubmit the SLUADMIN utility job.

SLS4353I

```
No diagnostic cells for LSMid AA:LL, panel DD
```

Explanation: A SLUADMIN AUDIt utility function was requested to scan diagnostic cells by the inclusion of the DIAGScan parameter. However, there were no diagnostic cells in the specified LSMid (*AA:LL*) and panel (*DD*).

System Action: HSC processing continues.

User Response: None.

SLS4354I

Diagnostic cell *AA:LL*:*PP*:*RR*:*CC* is empty

Explanation: A SLUADMIN AUDIt utility function was requested to scan diagnostic cells by the inclusion of the DIAGScan parameter. The diagnostic cell at the specified location (*AA:LL:PP:RR:CC*) was found to be empty.

System Action: HSC processing continues.

User Response: None.

SLS4355I

Cartridge in diagnostic cell *AA:LL*:*PP*:*RR*:*CC* has an unreadable external label

Explanation: A SLUADMIN AUDIt utility function was requested to scan diagnostic cells by the inclusion of the DIAGScan parameter. The diagnostic cell at the specified location (*AA:LL:PP:RR:CC*) was found to contain a cartridge with an unreadable external Volser label.

System Action: HSC processing continues.

User Response: The cartridge may have been erroneously placed in the diagnostic cell during a time when the LSM was in manual mode. The user may wish to return the LSM to manual mode, enter the LSM and retrieve the cartridge. If it is a data cartridge, determine its Volser, label the cartridge and re-enter it through a CAP after the LSM has been brought back online.

SLS4356I

Volume *volser* is in diagnostic cell *AA:LL*:*PP*:*RR*:*CC*

Explanation: A SLUADMIN AUDIt utility function was requested to scan diagnostic cells by the inclusion of the DIAGScan parameter. The diagnostic cell at the specified location (*AA:LL:PP:RR:CC*) was found to contain a cartridge with the external Volser label *volser*.

System Action: HSC processing continues.

User Response: If the cartridge is not a diagnostic cartridge (usually with an external label in the form "DG nnn", where nnn are decimal digits), then the cartridge may have been erroneously placed in the diagnostic cell during a time when the LSM was in manual mode. The user may wish to return the LSM to manual mode, enter the LSM and retrieve the cartridge and re-enter it through a CAP after the LSM has been brought back online.

SLS4357I

Unable to scan diagnostic cells in LSMid *AA:LL* (9740)

Explanation: A SLUADMIN AUDIt utility function was requested to scan diagnostic cells by the inclusion of the DIAGScan parameter. The specified LSM (*AA:LL*) is a 9740 type LSM which currently does not support diagnostic cell scans.

System Action: HSC processing continues.

User Response: None.

SLS4358I

No in-transit cartridges in LSMid *AA:LL*

Explanation: A SLUADMIN AUDIt utility function was requested to process in-transit cartridges by the inclusion of the INTRANs parameter, but there were no in-transit cartridges in the specified LSM (*AA:LL*).

System Action: HSC processing continues.

User Response: None.

SLS4359I

Unable to select in-transit volume *volser* in LSMid *AA:LL*

Explanation: A SLUADMIN AUDIt utility function was requested to process in-transit cartridges by the inclusion of the INTRANs parameter, but was unable to select the specified library volume (*volser*) in the specified LSM (*AA:LL*).

System Action: HSC processing continues.

User Response: Investigate if the volume is selected and if it is, consider running the SLUADMIN UNSElect utility to free the volume then rerun the SLUADMIN AUDIt utility with the INTRANs parameter.

SLS4360I

DDname *CCCCCCCC* allocated to data set name *DDD...DD*

Explanation: The utility has allocated the DD name noted by *CCCCCCCC* to the data set name of *DDD...DD* (a string which may be up to 54 characters, including the member name if the data set is a PDS member). The DD name *CCCCCCCC* may be one of the following: SLSCNTL, SLSSCRPL, or SLSVA. The allocation may have been due to the JCL supplied to the utility job, or the allocation may have been dynamic, based on the data sets being used by the HSC active on this host system.

System Action: The utility continues.

User Response: This message is informational only. If the utility fails to produce the expected results, the series of SLS4203I messages should be examined to be sure that the intended data sets were actually the ones allocated to the job.

SLS4361I

Ejected in-transit volume *volser* from LSMid *AA:LL*

Explanation: A SLUADMIN AUDIt utility function was requested to process in-transit cartridges by the inclusion of the INTRANs parameter. A library volume(*volser*) was found to be in-transit in the specified LSM (*AA:LL*) and was ejected.

System Action: HSC processing continues.

User Response: Consider if the volume should be re-entered into the library. (Note: the operator is informed of the cartridge ejection and is required to empty the CAP either when the CAP is full or the SLUADMIN AUDit utility completes.)

SLS4362I

Error ejecting in-transit volume *volser* from LSMid *AA:LL*

Explanation: A SLUADMIN AUDIt utility function was requested to process in-transit cartridges by the inclusion of the INTRANs parameter. A library volume (*volser*) was found to be in-transit in the specified LSM (*AA:LL*) and was attempted to be ejected but the eject failed.

System Action: HSC processing continues.

User Response: Investigate other HSC messages associated with the eject failure. Consider re-running the SLUADMIN AUDit utility with the INTRANs parameter.

SLS4363I

Ejected an in-transit cartridge with an unreadable external label from LSMid *AA:LL*

Explanation: A SLUADMIN AUDIt utility function was requested to process in-transit cartridges by the inclusion of the INTRANs parameter. A cartridge with an unreadable external label was found to be in-transit in the specified LSM (*AA:LL*) and was ejected.

System Action: HSC processing continues.

User Response: Consider if the volume should be labeled and re-entered into the library. (Note: the operator is informed of the cartridge ejection and is required to empty the CAP either when the CAP is full or the SLUADMIN AUDit utility completes.)

SLS4364I

Error ejecting in-transit cartridge with an unreadable external label from LSMid *AA:LL*

Explanation: A SLUADMIN AUDIt utility function was requested to process in-transit cartridges by the inclusion of the INTRANs parameter. A cartridge with an unreadable external label was found to be in-transit in the specified LSM (*AA:LL*) and was attempted to be ejected but the eject failed.

System Action: HSC processing continues.

User Response: Investigate other HSC messages associated with the eject failure. Consider re-running the SLUADMIN AUDit utility with the INTRANs parameter.

SLS4365I

Virtual Volume merge bypassed, VTCS has not been activated.

Explanation: A merge operation has been requested specifying a 'from' CDS that contains VTV and MVC entries. Since VTCS has not been activated on this system, these VTV and MVC entries will not be merged into the 'to' CDS.

System Action: HSC processing continues.

User Response: None.

SLS4366E

`(…error text…)`

Explanation: While processing a POOLPARM/VOLPARM control statement, an error was found. The error is one of the following:

- SCRATCH pool name DEFAULTPOOL not allowed
- MVCPOOL names ALL and DEFAULTPOOL not allowed
- EXTERNAL pool name DEFAULTPOOL not allowed
- MVCFREE value out of range; must be 0-255
- MAXMVC value out of range; must be 1-98
- THRESH value out of range; must be 4-98
- START value out of range; must be 1-98
- Invalid TYPE for POOLPARM; must be SRATCH, MVCPOOL, CLEAN, or EXTERNAL.
- Suffix for Clean volser must be numeric
- Must be POOLPARM or VOLPARM
- Duplicate SCRATCH pool names not allowed
- Duplicate MVCPOOL pool names not allowed
- Duplicate EXTERNAL pool names not allowed
- INITSCR only valid with MEDIA(VIRTUAL)
- Cleaning Cartridge must match the Cleaning Prefix
- Invalid value for RANGE
- SPVOL ERROR
- Invalid value for MAXCLEAN; must be 0-32767
- MAXCLEAN required for TYPE(CLEAN) pool
- MVCPOOL values conflict with those on Record
- Volser specification conflicts with that on Record
- RECLaim value must be AUTo, DEMand, REPortonly or NONe
- MVCFREE can not be specified with RECLaim(DEMand/NONe)
- MAXMVC can not be specified with RECLaim(REPortonly/NONe)
- START can not be specified with RECLaim(DEMand/REPortonly/NONe)
- THRESH can not be specified with RECLaim(REPortonly/NONe)

System Action. The utility continues to process the POOLPARM/VOLPARM statements. A return code of X'08' is set.

User Response. Correct the problem with the POOLPARM/VOLPARM control statements and re-run the SET VOLPARM utility.

SLS4367E

```
NNNNNNNN Keyword Invalid with POOLTYPE PPPPPPPP
```

Explanation: While processing POOLPARM/VOLPARM control statements, an invalid keyword (*NNNNNNNN*) was found while processing the *PPPPPPPP* POOLTYPE. The indicated keyword is not valid for the pool type.

System Action: The utility continues to process the POOLPARM/VOLPARM statements. A return code of X'08' is set.

User Response: Correct the problem with the POOLPARM/VOLPARM control statements and re-run the SET VOLPARM utility.

SLS4368I

```
CDS not updated due to (ERRORS | APPLY(NO) | DR TEST STATUS)
```

Explanation: While processing a SET VOLPARM utility, the CDS was not updated due to one of the following:

- ERRORS - Errors were encountered while processing the POOLPARM/VOLPARM control statements.
- APPLY(NO) - The APPLY(NO) is specified or taken as the default.
- DR TEST STATUS - The utility is not allowed to apply POOLPARM/VOLPARM statements from a DR test host.

System Action: The CDS is not updated. The POOLPARM/VOLPARM definitions are not enabled on the operational HSC systems.

User Response: Correct the errors or specify APPLY(YES) to write the VOLPARM definitions to the CDS. In order to update the DR test CDS, execute the VOLPARM utility on the production CDS and rerun the DRTEST CREATE.

SLS4369I

```
CDS updated with VOLPARM definitions
```

Explanation: The VOLPARM definitions are written to the CDS.

System Action: The CDS is updated. The POOLPARM/VOLPARM definitions are enabled on the operational HSC systems.

User Response: None.

SLS4370I

```
SLUINCT processing on XXXX {STARTED|ENDED}
```

Explanation: An SLUINCT operation has been requested and drive *XXXX* has been requested.

System Action: Utility processing continues.

User Response: None.

SLS4371I

```
SLSPARM statement - NNNNN - CCCCCCCC
```

Explanation: A statement (*CCCCCCCC*) is being echoed to the SPSRINT file from the VOLPCONV utility. If SLS4366E is issued, the record number in the message will correlate to the statement number (*NNNNN*).

System Action: None.

User Response: None.

SLS4372I

VIRTUAL *VVVVV–VVVVV* removed from SCRPOOL/VOLATTR - volume
not in VTVVOL configuration

Explanation: Volume(s) with MEDIA/RECTECH(VIRTUAL) were removed from the
SCRPOOL and/or VOLATTR definitions by the VOLPARM Conversion utility. These
volumes are not within the VTCS VTVVOL configuration.

System Action: The utility continues.

User Response: Verify the output of the VOLPARM Conversion utility.

SLS4373I

VVVVV–VVVVV removed from MVCPOOL - volume not in MVCVOL
configuration

Explanation: Volume(s) were removed from the MVCPOOL definitions by the
VOLPARM Conversion utility. These volumes are not within the VTCS MVCVOL
configuration.

System Action: The utility continues.

User Response: Verify the output of the VOLPARM Conversion utility.

SLS4374E

DRTEST not valid on VOLPARM in POOLs

Explanation: The DRTEST parameter is not valid when used on VOLPARM
statements in a POOL defined with a POOLPARM statement. The VOLPARM
DRTEST parameter is only valid in the non-pool section.

System Action: The utility continues to process the POOLPARM/VOLPARM
statements. A return code of X′08′ is set.

User Response: Correct the problem with the VOLPARM control statement and re-
run the SET VOLPARM utility.

SLS4375E

MEDIA incompatible with TYPE(CLEAN)

Explanation: The MEDIA specified on the VOLPARM statement with a POOLPARM
TYPE(CLEAN) is not a valid cleaning media type.

System Action: The utility continues to process the POOLPARM/VOLPARM
statements. A return code of X′08′ is set.

User Response: Correct the problem with the VOLPARM control statement and re-
run the SET VOLPARM utility.

SLS4376E

Volumes with the Cleaning Prefix only valid with TYPE(CLEAN)

Explanation: Volumes with the cleaning prefix are only valid on VOLPARM
statements after a POOLPARM TYPE(CLEAN) statement.

System Action: The utility continues to process the POOLPARM/VOLPARM
statements. A return code of X′08′ is set.

User Response: Correct the problem with the VOLPARM control statement and re-
run the SET VOLPARM utility.

SLS4377I

```
Missing optional CCCCCCCC DD statement
```

Explanation: A SLUADMIN utility could not locate an optional DD statement.

System Action: The utility continues processing. A return code of X'04' is set.

User Response: Supply the DD statement if it is needed for the proper operation of the utility. Or specify *CCCCCCCC* DD DUMMY to obtain a return code of 0.

SLS4380I

```
MEDIA and RECTECH missing on input VOLATTR
```

Explanation: The VOLPCONV utility found an input VOLATTR with no MEDIA and RECTECH specified.

System Action: The utility continues processing. A return code of X'04' is set.

User Response: Verify that the MEDIA/RECTECH specification is correct.

SLS4400I

```
HSC dynamic reconfiguration initiated
```

Explanation: HSC dynamic reconfiguration processing has started.

System Action: Dynamic reconfiguration processing continues.

User Response: None

SLS4401I

```
{Transport|Drive record|LSM/rail} {AA:LL:PP:NN|AA:LL}
successfully {added to|removed from} current HSC configuration.
```

Explanation: Dynamic reconfiguration has either added or removed a transport, drive record or LSM. Transport indicates both the HSC configuration drive record and the transport in the library have been processed. Drive record indicates only the HSC configuration was changed (i.e. when SLUADMIN is run to add configuration drive records but the transports are not yet connected). LSM/rail indicates a LSM has been processed based on the SL8500 configuration discovered.

System Action: HSC continues processing configuration changes until complete.

User Response: None.

SLS4402I

```
CDS {drive|LSM} record {not found|previously removed} for
existing {transport|LSM/rail; id={AA:LL:PP:NN|AA:LL}
```

Explanation: Dynamic reconfiguration has found a connected tape transport or LSM in the SL8500 library with no corresponding configuration record on the CDS. Either the drive record was removed with SLUADMIN or was never present on the CDS. For LSMs, no corresponding record was established in the LIBGEN using the FUTRLSM parameter.

System Action: The HSC cannot add a transport to the current configuration without a corresponding drive record on the CDS. The same rule applies with LSMs. WTOR SLS4405D is issued to ask the customer to proceed or abort.

User Response: Reply 'N' to the SLS4405D message, add the specific record to the CDS and launch dynamic reconfiguration again. A reply of 'Y' will proceed with reconfiguration however, in this situation, the specific drive or LSM will not be added to the current configuration.

SLS4403I

```
CDS {drive|LSM} record found with no matching
{transport|LSM/rail}; library location = {AA:LL:PP:NN|AA:LL}
```

Explanation: Dynamic reconfiguration has found a configuration record on the CDS with no corresponding transport or LSM at the specified location. Either 1) the transport was removed from the library without removing the drive record from the CDS; 2) the drive record has been added to the CDS and the transport has not been added to the library or 3) the LSM/rail is being taken away from the HSC.

System Action: The HSC will issue WTOR SLS4405D in this situation asking the customer to proceed or abort.

User Response: If this mismatch is not expected, reply 'N' to the SLS4405D message, connect the transport to the library, and launch dynamic reconfiguration again. For LSMs, this mismatch is expected as no dynamic CDS updates can be made. A reply of 'Y' will 1) mark the drive record as "unconfigured" whether resulting from the addition of the drive record or removal of the transport or 2) remove the LSM from the HSC configuration.

SLS4404I

```
{Drive {type|unit address|host definition|type and unit
address}|{LSM {panel configuration|passthru configuration|panel
and passthru configuration} successfully modified for
{transport|LSM/rail} {AA:LL:PP:NN|AA:LL} during dynamic
reconfig
```

Explanation: Dynamic reconfiguration has successfully modified 1) the specified drive's type, unit address, or host definition; or 2) the specified LSM's panel and/or passthru configuration.

System Action: The HSC has updated the current configuration accordingly.

User Response: None.

SLS4405D

```
CDS / LMU conflicts exist; allow dynamic reconfig to proceed;
Reply 'Y'or 'N'
```

Explanation: Dynamic reconfiguration has either; 1) found a connected transport with no corresponding drive record; 2) found a configuration drive record on the CDS with no corresponding transport in the library; 3) found an LSM record on the CDS with no corresponding SL8500 LSM; or 4) found an SL8500 LSM/rail with no corresponding LSM record on the CDS. Preceding messages SLS4402I and SLS4403I provide the specific SL8500 elements and locations.

System Action: Dynamic reconfiguration waits to receive a reply to this message. If 60 seconds expires before a reply is received, dynamic reconfiguration is aborted and message SLS4405D is deleted from the console.

User Response: If reply of 'Y' is given, dynamic reconfiguration will process all eligible changes. Any other reply will result in dynamic reconfiguration aborting with reason = operator request.

SLS4406I

```
Dynamic reconfiguration processing did not occur, no changes
found or unable to process
```

Explanation: Dynamic reconfiguration processing determined that no configuration changes in the SL8500 library or in the HSC were made; or that changes were not able to be processed. Possible situations include: 1) new transports found with no corresponding drive records and 'Y' was replied to SLS4405D WTOR; 2) new LSM(s) found with no corresponding LSM records and 'Y' was replied to SLS4405D WTOR; 3) no SL8500 based elements found to process.

System Action: Dynamic reconfiguration processing ends.

User Response: If configuration changes were anticipated ensure all changes are in place, both in the CDS and the library.

SLS4407I

```
HSC dynamic reconfiguration processing has ended. See prior
messages for reconfiguration detail.
```

Explanation: HSC dynamic reconfiguration processing has ended. In some cases hardware reconfiguration may not have taken place; message SLS4505D received a 'N' reply. See prior messages for reconfiguration detail.

System Action: Dynamic reconfiguration processing ends.

User Response: None

SLS4408I

```
{LMU|Database|Configuration} request error during dynamic
reconfiguration; rc = nnnn
```

Explanation: An LMU, database or configuration request has returned an error condition during dynamic reconfiguration processing. The failing component's return code *nnnn* is included in the message.

System Action: Dynamic reconfiguration processing ends.

User Response: Contact StorageTek Software Support.

SLS4409I

```
HSC dynamic reconfiguration has aborted; reason = RRRR
```

Explanation: Dynamic reconfiguration has aborted for one of the following reasons:

- operator request: A reply of N was given to message SLS4405D to abort dynamic reconfiguration.
- timeout: No reply was given to message SLS4405D within the 60 seconds allowed.
- ACS cannot be deleted: The ACS specified was ineligible for deletion.
- ACS cannot be added: No unallocated or future ACS was available.
- LMU|database|configuration request error: the error prevents the continuation of dynamic reconfiguration.
- SCR UPDATE|AUDIT|SCR REDIS|MOVE|other utility is currently executing which prevents the continuation of dynamic configuration.
- library switch in progress: One or more of the ACSes going through Reconfiguration are currently switching.
- unknown: An unexpected error, such as an abend, has been detected, contact Oracle support.

System Action: Dynamic reconfiguration processing ends.

User Response: Contact StorageTek Software Support for all errors except the following:

- operator request|timeout: No response required.
- ACS cannot be deleted|aded: Review message SLS4423E for possible cause and corrective action.
- library switch in progress: Wait for the switch process(es) to complete. Use the Display Status command to see which ACSes are switching. If ACS(es) are not switching, issue the F CONFIG command to reconfigure the ACS(es).

SLS4410I

```
CDS drive record for library location AA:LL:PP:NN marked as
unconfigured
```

Explanation: Dynamic reconfiguration has marked a drive record as unconfigured for one of two reasons; 1) Transports were removed but SLUADMIN has not run to remove the drive records from the CDS or 2) drive records have been added to the CDS using SLUADMIN however the corresponding transports have not been connected to the library.

System Action: The drive records remain in the HSC configuration but are marked as unconfigured and will not reflect valid types or recording techniques. They will display with a status of "unconfg" (unconfigured).

User Response: The drives can remain in the unconfigured state until transports are connected at the corresponding library location id or removed with SLUADMIN if no longer wanted.

SLS4411I

```
Drive record AA:LL:PP:NN remains unconfigured, no changes
made.
```

Explanation: Dynamic reconfiguration has determined that a drive remains unconfigured since the last reconfiguration or initialization.

System Action: The drive record is not processed.

User Response: None.

SLS4412I

```
HSC deleted volume VVVVV from CDS for UNALLOCATED {LSMID
AA:LL | CELL AA:LL:PP:RR:CC}
```

Explanation: A volume was found in the CDS still remaining in an LSM that has been unallocated via the partitioning process, or in a cell that has been unallocated via the capacity on demand process.

System Action: The volume is deleted from the CDS.

User Response: The volume will be "owned" by the new host (or host group) to which the unallocated LSM or cell has been assigned. The new host must perform an HSC audit to recover the volume. In the event the volume is mounted on a drive, the new host must issue an HSC DISMOUNT command to recover the volume.

SLS4413I

```
HSC failed to delete volume VVVVV from CDS for UNALLOCATED
{LSMID AA:LL | CELL AA:LL:PP:RR:CC}   RC=RCRCRCRC
```

Explanation: The HSC attempted to delete a volume from the CDS but was unable to do so. The return code identifies the reason for the failure but the most likely reason is that the volume was in use by another process when the attempt to delete the volume was made.

System Action: The volume remains in the CDS and becomes "inaccessable".

User Response: After the partitioning process or the capacity on demand process has completed the volume will be "owned" by the host to which the unallocated LSM or cell has been assigned. This host must do an HSC audit function to recover the volume. In the event the volume is mounted on a drive, the new host must issue an HSC DISMOUNT command to recover the volume.

SLS4414I

```
Initial configuration for LSM AA:LL, total cells NNNNN, free
cells NNNNN
```

Explanation: Config verification was executed for the first time for LSM AA:LL. Initial values are displayed for the total cells in the LSM and the number of free cells in the LSM.

System Action: Processing continues.

User Response: None.

SLS4415I

```
Configuration change for LSM AA:LL, total cells {UNCHANGED |
INCREASED | DECREASED} by NNNNN, free cells {UNCHANGED |
INCREASED | DECREASED} by NNNNN
```

Explanation: Config verification found the configuration for LSM AA:LL has changed. The differences in cell counts are displayed for the total cells in the LSM and the number of free cells in the LSM.

System Action: Processing continues.

User Response: None.

SLS4416I

```
Config verification for LSM AA:LL found something unexpected
{for the following panel(s): P1{,P2, ... } }
```

Explanation: During config verification of the specified location(s) (AA:LL, p1, p2, etc.), something unexpected was found, such as, a cartridge in an unexpected location, a cartridge in a cell but no matching volser in the database, etc.

System Action: Processing continues.

User Response: First run the AUDIT utility with APPLY(NO) for the panel locations indicated to discover the problems found. The VOLRPT utility may need to be run to determine certain information for volumes. Part of problem resolution may be running the AUDIT utility with APPLY(YES). After problems are resolved, the SET utility specifying FREEZE OFF may need to be run.

- It is recommended to run AUDIT with APPLY(NO) first in order to discover and resolve problems before any changes are made to the CDS with APPLY(YES).

- During configuration changes, panels are initially set to "frozen" status. When the configuration change is completed, if something unexpected is found, panels will problems are resolved, the SET utility must be run specifying FREEZE OFF for the locations indicated.

SLS4417E

```
Database I/O error (RC=XXXXXXXX) occurred with RECTYPE records
during config verification
```

Explanation:

- VAR records: A control data set error occurred while gathering volume information to verify volume and cell location status. Without the volume information, volume locations cannot be verified during the config verification.

- DCX records: A control data set error occurred while updating location index records. The process did not complete.

System Action:

- VAR records: Processing continues.

- DCX records: Config verification terminates.

User Response:

- VAR records: Determine the cause of the control data set error and correct it.

- DCX records: Determine the cause of the control data set error and correct it. Then use the MODIFY CONFIG command to update the configuration.

SLS4418E

LMURQST error (RC=*XXXXXXXX*) occurred during config
verification; verification cannot continue

Explanation: A request to the LMU failed with error code *XXXXXXXX* during config verification.

System Action: Config verification terminates.

User Response: Determine the cause of the LMURQST error and correct it. Then use the MODIFY CONFIG command to update the configuration.

SLS4419I

CAPid *AA*:*LL*:*CC* status changed from (UNALLOCATED|ONLINE|OFFLINE)
to (OFFLINE|UNALLOCATED)

Explanation: During reconfiguration, the CAP state was changed in the SLC console from an SL8500 or SL3000 library.

System Action: HSC configuration accepts the CAP change from the library and is reflected in this message.

User Response: None.

SLS4420E

Invalid cell status *N* for cell location *AA*:*LL*:*PP*:*RR*:*CC*

Explanation: During processing of config verification the LMU returned an unknown or invalid cell position status for the specified location.

System Action: Processing continues.

User Response: Determine the cause of the invalid cell position status code.

SLS4421E

No more invalid cell status messages will be displayed

Explanation: Multiple invalid cell status messages have been displayed. This may indicate a problem with the hardware and/or software. In order to avoid flooding the console with messages, additional invalid cell status messages will be suppressed.

System Action: Processing continues.

User Response: Determine the cause of the invalid cell position status code(s).

SLS4422E

```
SLS4422E An abend occurred during config verification while
CCC...CCC
```

Explanation: Config verification has ended because of an abend. CCC...CCC is a description of the active stage of the process at the time of the abend:

- processing configuration records: Configuration records were being queried to determine the configuration previously defined.
- processing volume records: Volume records were being processed to verify locations of volumes in the library.
- obtaining library configuration: The current hardware configuration of each panel in the library was being obtained from the library hardware.
- verifying library configuration: The previously defined configuration was being compared with the current hardware configuration of the library.
- finalizing verification: Config verification was in the final stage and attempting clean up of acquired storage areas, etc.

System Action: Config verification terminates.

User Response: The action(s) to perform are dependent on the active stage of the process at the time of the abend. First determine and correct the cause of the abend. Then perform the action(s) shown below for the specified stage of the process.

- processing configuration records: No configuration updates have been made. After determining and correcting the cause of the abend, use the MODIFY CONFIG command to verify/update the configuration.
- processing volume records: No configuration updates have been made. After determining and correcting the cause of the abend, use the MODIFY CONFIG command to verify/update the configuration.
- obtaining library configuration: No configuration updates have been made. After determining and correcting the cause of the abend, use the MODIFY CONFIG command to verify/update the configuration.
- verifying library configuration: If any differences were found, updates to the configuration records may have occurred. After determining and correcting the cause of the abend, use the MODIFY CONFIG command to complete the verification/update of the configuration.
- finalizing verification: Config verification has completed any configuration updates. No additional action is necessary.

SLS4423E

```
{ACS|ACSTYPE} {AA|SL8500|SL3000} cannot be {DELETED|ADDED}
```

Explanation: In the case of DELETE ACS, the ACS cannot be deleted for one of the following reasons:

- The ACS contains an LSM that is not an SL8500 or an SL3000.
- The ACS has been unallocated and an allocated ACS exists that has a higher ACS identifier.
- The ACS is the only allocated ACS in the configuration.

In the case of ADD ACSTYPE, an ACS cannot be added for one of the following reasons:

- No future ACS or unallocated ACS was available.
- No future ACS was available and the unallocated ACSs were not created from a future ACS.

System Action: None, the ACS ADD or DELETE does not occur.

User Response: Review the CDS configuration macros to verify that FUTRACS was specified on the SLILIBRY macro. Issue the Display ACS command to determine the current ACS configuration. Review the display and the LIBGEN SLIACS statements to determine the reason for the command failure.

SLS4424E

```
Reconfiguration cannot proceed, utilities or functions are
active on host (host name)
```

Explanation: Eligible SLUADMIN utilities or HSC functions are active on the host (host name). NCO cannot run with these utilities or functions executing on any host within the HSC complex. A list of eligible utilities and functions include:

```
AUDIT    DISPLAY LMUPDEF  SCRATCH   SENTER    UNSELECT
CAPPREF  DRTEST  MODIFY/F SCREDIST  SET       VIEW
CLEAN    EJECT   MOUNT    SCRPDEF   SWITCH    VOLDEF
DISMOUNT ENTER   MOVE     SCRPOOL   UNSCRATCH WARN
```

System Action: If the HOST is trying to do NCO refresh and the SET utility is running, the message will be repeated every 5 seconds until the utility completes then NCO REFRESH will continue processing and should complete normally.

If the HOST initiating the NCO update discovers a utility active, it will fail and NCO update will not be executed.

User Response: Cancel the utility/function or wait until it completes then reissue the Modify Config or Modify Config Update command if necessary.

When this message is issued and no utilities or functions are executing, please follow the procedure below:

- Assure that no HSC functions or utilities are running in the Complex.
- Issue a Display Status command to check the utility/function counters are greater than 0.
- If the counters are greater than 0, issue the F CONFIG RESET command.
- After the CONFIG RESET function has completed, resume operations.

SLS4425E

```
LMU panel count for LSM AA:LL exceeds maximum panel count
allowed in CDS. Reconfiguration cannot proceed.
```

Explanation: During dynamic reconfiguration of an SL8500, the LMU responded with a panel count for the specified LSM that is greater than the maximum panel count in the specified CDS LSM record. If the CREATE field in the DISPLAY CDS is equal to I825061 then the maximum number of panels in the current CDS for an SL8500 is 44 panels per LSM.

System Action: The NCO update is not executed.

User Response: A new CDS will need to be created at a minimum level of I813156. After the new CDS is created a MERGECDS from the I825061 CDS to the I813156 CDS will need to be done.

Once the MERGECDS is complete then a MODIFY CONFIG command will initiate dynamic hardware reconfiguration.

SLS4430I

```
Reconfiguration delayed due to switch in progress.
```

Explanation: A switch in progress for an ACS is causing Reconfiguration to delay. With this delay, Reconfiguration may take as long as 10 minutes more to complete. To see which ACSes are switching, use the Display Status command.

System Action: When the switch has completed, Reconfiguration will continue. If the delay exceeds 10 minutes, Reconfiguration will abort with the SLS4409I message displayed.

User Response: While Reconfiguration is delayed, optionally use the Display Status command to see which ACS(es) are switching.

SLS4451I

```
Drive records are inconsistent with the CDS for LSM AA:LL; ACS
disconnected
```

Explanation: An inconsistency was found between drive records in the CDS and the HSC in-memory version, probably due to a SET SLIDRIVS utility.

System Action: The affected ACS is disconnected.

User Response: Leave the ACS disconnected until the host is recycled.

SLS4453I

```
Logically deleted record found on CDS for DRIVEID AA:LL:PP:NN
```

Explanation: A SET SLIDRIVS command caused deletion of the drive record in the CDS.

System Action: Either the LSM will remain offline, or the ACS will be disconnected. A subsequent message will indicate which action is taken.

User Response: Recycle the host to refresh the HSC in-memory drive records.

SLS4454I

{Unit address|DRIVEID} does not match CDS for HSC {drive
XXXX|DRIVEID *AA:LL:PP:NN*}

Explanation: A SET SLIDRIVS utility caused a change to the CDS drive record,
making it inconsistent with the HSC in-memory copy.

System Action: Either the LSM will remain offline, or the ACS will be disconnected.
A subsequent message will indicate which action is taken.

User Response: Recycle the host to refresh the HSC in-memory copies of drive
records.

SLS4455E

Unexpected FIGMGR return code *NNNN* during Configuration
processing

Explanation: An unexpected return code was received from a FIGMGR service
during configuration processing.

System Action: HSC terminates.

User Response: Contact StorageTek Software Support.

SLS4456I

Library configuration changes pending on *HHHHHHHH*

Explanation: Near Continuous Operation (NCO) library configuration changes in
progress on host id *HHHHHHHH*

System Action: Configuration change continues.

User Response: None

SLS4457E

Down level host found active when attempting to change library
configuration

Explanation: Near Continuous Operation (NCO) library configuration changes can
not be run with a down level host active.

System Action: Configuration change not executed.

User Response: Insure all down level hosts are not active and start NCO
configuration again.

SLS4458E

```
Library configuration changes in progress on HHHHHHHH
```

Explanation: Near Continuous Operation (NCO) library configuration changes are in progress on host *HHHHHHHH*.

System Action: Configuration change not executed, it is already running. Also, some utilities will not run because NCO is in progress.

User Response: Wait on NCO configuration to complete before restarting if needed. In some cases NCO will queue the request and will process the queue when the NCO completes. It is possible however at vary online time of an SL3000 ACS that NCO updates may not be initiated. Indications of NCO initiated on an SL3000 would be cap status for that ACS. If the HSC log shows no cap status for a particular SL3000 ACS that was varied online, then the following Operator command must be issued to update the ACS:

```
MODIFY CONFIG UPDATE ACS(NN)
```

This can also apply to a newly added SL8500 varied online during NCO REFRESH. In some cases a REFRESHing host may fail or be CANCELed by the Operator.

If the host (*HHHHHHHH*) is not responding, a RECOVER HOST command (with the FORCE option) may be required. If the RECOVER HOST command is required then a MODIFY CONFIG RESET command may also be required. A DISPLAY CDS command will show the REFRESH bit map of the HOSTs that have yet to complete NCO REFRESH.

SLS4459I

```
Library configuration changes started
```

Explanation: Near Continuous Operation (NCO) library configuration changes started by this host

System Action: Configuration change continues.

User Response: None

SLS4460I

```
Library configuration changes complete on HHHHHHHH
```

Explanation: Near Continuous Operation (NCO) library configuration changes on completed on hostid *HHHHHHHH*.

System Action: Configuration change complete.

User Response: None

SLS4461I

```
Library configuration changes in progress when HSC went down,
configuration restarted
```

Explanation: Near Continuous Operation (NCO) library configuration changes in progress on this host when HSC went down. The configuration is attempting to restart.

System Action: Configuration change continues.

User Response: None

SLS4462I

Library configuration refresh started

Explanation: Near Continuous Operation (NCO) library configuration changes completed by another host are being synchronized on this host.

System Action: Configuration change refresh started.

User Response: None

SLS4463I

Library configuration refresh complete

Explanation: Near Continuous Operation (NCO) library configuration changes completed by another host have been synchronized on this host.

System Action: Configuration change refresh complete.

User Response: None

SLS4464E

Library configuration *XXXXXXX* aborted on *HHHHHHHH*

Explanation: Near Continuous Operation (NCO) library configuration (UPDATE or REFRESH) failed on hostid *HHHHHHHH*.

System Action: Configuration change failed to complete successfully.

User Response: See previous message for the reason for the failure. Correct discrepancies and rerun NCO configuration.

SLS4465I

Library configuration flags Reset complete

Explanation: Near Continuous Operation (NCO) library configuration CDS flags have been reset as requested by the Modify Config Reset command.

System Action: Configuration change flags are reset in the CDS.

User Response: None.

SLS4466I

Library configuration flags not set, Reset not required

Explanation: Near Continuous Operation (NCO) library configuration CDS flags were not set, the reset requested by the Modify Config Reset command was not required. Modify Config Reset command does not attempt to run a reconfig. To run a reconfig issue the Modify Config command.

System Action: Modify Config Reset command complete.

User Response: None.

SLS4467E

Down level CDS active, library configuration canceled

Explanation: Near Continuous Operation (NCO) library configuration changes can not be run with a down level CDS, a 6.1.0 CDS is required.

System Action: Configuration change not executed.

User Response: Libgen a 6.1.0 CDS and run the MERGECDS utility to enable NCO.

SLS4468I

Library configuration util/func counters reset

Explanation: Near Continuous Operation (NCO) library configuration utilities and functions counters have reset.

System Action: Modify Config Reset function will continue until completed.

User Response: None.

SLS4469I

Library configuration initialization complete

Explanation: HSC initialization processing for the library configuration has completed for all ACSs.

System Action: None.

User Response: None.

SLS4500I

YYYY-MM-DD, *HH*:*MM*:*SS* HSC subsystem *SSSS* active on hostid *HHHH*

Explanation: The message is issued after HSC is initialized to Base service level and also when a new day has begun at midnight.

System Action: None.

User Response: None.

SLS4550E

Number of drive addresses is not consistent with previous
SLIDRIVS for this panel

Explanation: The number of drive addresses on the SLIDRIVS macro does not match the number of addresses on a previous SLIDRIVS macro for the same panel.

System Action: Processing continues. A return code of 08 is set.

User Response: Correct the number of addresses on the incorrect SLIDRIVS macro and resubmit the LIBGEN assembly.

SLS4551I

The LIBSIZE parameter has been discontinued and is ignored; it
should be removed

Explanation: The LIBSIZE parameter is no longer used.

System Action: LIBGEN assembly continues normally and the resultant LIBGEN module is not affected.

User Response: Remove the LIBSIZE parameter from the SLILIBRY macro when convenient. It is not necessary to rerun the LIBGEN assembly.

SLS4552I

The minimum number of 4K blocks required for the CDS is *DDDDD*

Explanation: The calculated minimum number of CDS blocks is reported. SLICREAT can be executed with no CDS DD statements specified to only report the minimum CDS size for a LIBGEN configuration.

System Action: None.

User Response: Use the calculated value to allocate CDS copies prior to initializing them with SLICREAT.

SLS4553E

Number of drives on panel *PPPPPPPP* in LSM *LLLLLLLL* is invalid;
it should be 4, 8, 10, 12, 16, 20, 24, OR 32

Explanation: The number of drives defined on the indicated panel does not match number allowed for any panel type.

Allowable numbers of drives (depending on panel type) per LSM are:

- 4310 - 4, 10, or 20
- 9310 - 4, 10, or 20
- 9360 - 4
- 9740 - 4 or 10
- 8500 - 4, 8, 12, or 16
- 3000 - 4, 8, 12, 16, 24, or 32

System Action: Processing continues. A return code of 12 is set.

User Response: Correct the error and resubmit the LIBGEN assembly.

SLS4554E

The LIBGEN load module release level is inconsistent with the
SLICREAT release level

Explanation: SLICREAT has been executed with a LIBGEN load module that was created using LIBGEN macros for an incompatible HSC release.

System Action: SLICREAT processing terminates. A return code of 0C is set.

User Response: Re-create the LIBGEN load module using a MACLIB for the same HSC release as the SLICREAT software.

SLS4555E

Missing DD or invalid file allocation for DDname *CCCCCCCC*

Explanation: SLICREAT was unable to find or allocate the data set specified by the *CCCCCCCC* DD statement.

System Action: If the DD is SLSCNTL, or if you specified PARM='STBYONLY', a return code of 12 is set and SLICREAT processing terminates. A return code of 4 is set in all other cases and processing continues.

User Response: If the DDname is a control data set (SLSCNTL, SLSCNTL2, or SLSSTBY), check the file allocation to ensure that the data set does not have multiple extents, has either no blocksize specified or a blocksize of 4096, and that its organization is DA or PS. Correct the file allocation and rerun the SLICREAT program with all the expected DD statements.

SLS4556E

Unable to create data set for DDname *CCCCCCCC*

Explanation: SLICREAT was unable to create the data set specified by the *CCCCCCCC* DD statement.

System Action: If the DDname is SLSCNTL, a return code of 12 is set and SLICREAT processing terminates. A return code of 8 is set if journaling was specified in the LIBGEN and no journal files could be created. For STBYONLY processing, SLICREAT terminates with a return code of 12. A return code of 4 is set in all other cases.

User Response: Check for other messages from the job, correct the problem(s) identified, and resubmit the SLICREAT job, or delete and redefine the data set(s) and then resubmit the SLICREAT job. To format only the journal files, remove all the control data set DD statements and any journal DD statements you do not wish to reformat, and resubmit the SLICREAT job.

SLS4557I

SLSCNTL DD not found, control data set(s) not formatted

Explanation: SLICREAT was unable to find an SLSCNTL DD statement.

System Action: SLICREAT will not format any control data sets. The required CDS size is calculated and reported. Processing continues with journal data set formatting.

For STBYONLY processing, SLICREAT terminates with a return code of 12.

User Response: None.

SLS4558E

CDS size could not be calculated

Explanation: SLICREAT was unable to calculate the required CDS size.

System Action: SLICREAT processing ends with a return code of 12.

User Response: Check any error messages produced by SLICREAT and correct the indicated problem(s).

SLS4559I

Additional control data set successfully created

Explanation: SLICREAT successfully satisfied the STBYONLY request and created the additional CDS.

System Action: SLICREAT processing ends with a return code of 0.

User Response: None.

SLS4560E

A *CCCC* LSM may not be connected to a *CCCC* LSM

Explanation: LIBGEN detected two different types of LSMs connected. A 9740 LSM may connect to 9740 LSMs only. A 8500 LSM may connect to 8500 LSMs only.

System Action: Processing continues. A return code of 0C is set.

User Response: Correct the SLILSM macro in error and resubmit the job.

SLS4561E

```
Data set specified by CCCCCCC1 is an existing or CDS data set;
CCCCCC2 data set not formatted
```

Explanation: SLICREAT identified an existing data set specified by the CCCCCCC1 DD statement. CCCCCC2 refers to the type of data set being processed, control or journal. For control data sets, SLICREAT will not format over an existing data set. For journal data sets, SLICREAT will not format over an existing CDS data set. This message is issued if SLICREAT determines that one of its output files contained records prior to being formatted. For SLSJRN*nn*, the output file was identified as an existing CDS data set.

System Action: If the DD statement is a control data set, no data sets are formatted and SLICREAT processing terminates. If the DD statement is a journal data set, the control data sets (if specified) and any valid journal files are formatted. A return code of 12 is set in all cases.

User Response: Either assign a different data set or delete and redefine the specified data set.

SLS4562D

```
DDDDDDDD NNNNNNNN is an existing CDS; reply "YES" if the CDS
can be overwritten
```

Explanation: SLICREAT identified an existing CDS data set *NNNNNNNN* specified by the *DDDDDDDD* DD statement.

This message is issued if SLICREAT determined that one of the output files contained records prior to being formatted. For SLSJRNnn, the output file was identified as an existing CDS data set.

This message is issued for VM/HSC only.

System Action: SLICREAT waits for an operator response.

User Response: Respond with "YES" if the data set can be overwritten. Any other response will terminate the SLICREAT process. SLS4561E will be issued to the SLICREAT SYSPRINT output messages.

SLS4563E

```
The SMC is required for JES3; Start the SMC and resubmit the
utility
```

Explanation: The SMC is required for SLIVERFY to locate the correct JES3 macro offsets to compare HSC library device addresses with actual system devices.

System Action: SLIVERFY processing terminates. A return code of 08 is set.

User Response: Start the SMC and resubmit the SLIVERFY utility.

SLS4564E

```
Invalid ACS found; Number of SL8500 LSMs must be divisible by
four.
```

Explanation: An ACS was found that contained SL8500 LSMs. The number of LSMs defined in this ACS was not divisible by four.

System Action: SLICREAT processing terminates.

User Response: Correct the configuration file. Re-execute the LIBGEN and the SLICREAT utility.

SLS4600E

A non-SL8500 LSM conflicts with SLIACS specification of FUTRLSM

Explanation: LIBGEN detected an ACS containing non-SL8500 LSMs also specified the FUTRLSM parameter on the SLIACS macro. FUTRLSM may only be specified for an SL8500 ACS.

System Action: Processing continues. A return code of 0C is set.

User Response: Correct the SLIACS macro in error by removing the FUTRLSM parameter and resubmit the job.

SLS4601E

FUTRLSM count + SLILSM definitions must be a multiple of 4

Explanation: LIBGEN detected for an SL8500 ACS that the value specified on the FUTRLSM parameter for the ACS is not a multiple of 4. StorageTek recommends when specifying the FUTRLSM parameter that the future LSM count be equal to the number of LSMs planned for the ACS.

System Action: Processing continues. A return code of 0C is set.

User Response: Correct the FUTRLSM count specification in error and resubmit the job.

SLS4602I

Drive records are inconsistent with the CDS for LSM *AA:LL*; LSM will remain offline

Explanation: During an attempt to vary the LSM online, an inconsistency was found between drive records in the CDS and the HSC in-memory version, probably due to a SET SLIDRIVS utility.

System Action: The LSM remains offline.

User Response: Leave the LSM offline until the host is recycled.

SLS4603E

Number of SL8500 LSMS in an ACS must be a multiple of 4

Explanation: LIBGEN detected for an SL8500 ACS that the number of LSMs specified is not a multiple of 4.

System Action: Processing continues. A return code of 0C is set.

User Response: Correct the LSM count specification in error and resubmit the job.

SLS4610I

`Hardware Exception Status:`

Explanation: This command causes the LMU to be queried for the hardware status of the LMUs, each LSM, each CAP, each Robot Hand, each Pass-Thru Port, and each Station. Errors are reported in the format of:

LSM *AA:LL error message*

or

AA:LL:CC error message

where the *AA* is the ACS, the *LL* is the LSM, and the *CC* is the CAP identifier. The following error messages are possible:

- CAP Not Operational
- CAP Door is Open
- CAP Door is Unlocked
- CAP is Reserved by Host *nn*: Use the Display CDS command to show the hosts.
- Pass Thru Port is Inoperative
- Robot Hand is Inoperative
- Robot Hand needs Maintenance
- LSM is Not Ready
- LSM is Offline
- LSM is Offline Pending
- LSM is in Maint Mode
- LSM Door is Open
- CAP status not Available for this LSM
- LMU Compat 10 or less; not all functions supported: The LMU will not be able to respond correctly to some of the status queries until its microcode is updated. This condition will also cause SLS0662I LMU Response Error to be issued just before SLS4610I.
- Station *nn* has Inactive Connection: A hardware connection to the LMU is not usable. This may be normal for your configuration if the connection has never been made and is not necessary. The station number is in hex, so Station 0A is the tenth station, and Station 10 is really the sixteenth.
- Station *nn* Inoperative; Host not responding: The station number is in hex, so Station 0A is the tenth station, and Station 10 is really the sixteenth.

The following messages are summaries:

- No CAP problems were detected
- No Pass Thru Port problems were detected
- No Robot Hand problems were detected
- No LSM problems were detected
- No Station problems were detected

Please note that these results only mean that the LMU did not detect Hardware Errors. Something could be wrong with the software configuration, or that the LMU could not detect.

System Action: HSC processing continues.

User Response: None.

SLS4611E

VAULT name invalid *CCCCCCC1* on *CCCCCCC2* command

Explanation: The data entered for the VAULT name (*CCCCCCC1*) is invalid on the *CCCCCCC2* command.

System Action: The command is ignored.

User Response: Re-enter the command with a valid VAULT name.

SLS4612E

SLOT *NNNNNN* for VAULT *VVVVVVV* is allocated.

Explanation: An attempt to free SLOT *NNNNNN* in VAULT *VVVVVVV* failed because the slot is not allocated.

System Action: The command is ignored.

User Response: Re-enter the command with valid data.

SLS4613E

SLOT *NNNNNN* is out of range for VAULT *VVVVVVV*

Explanation: If the slot number *NNNNNN* is non-zero then an attempt to allocate the slot in VAULT *VVVVVVV* failed because the SLOT is greater than the number of slots configured for the VAULT. When *NNNNNN* is zero the attempt to allocate the next slot in VAULT *VVVVVVV* would have exceeded the number of slots configured for the VAULT.

System Action: The command is not executed.

User Response: For a non-zero slot number, re-enter the command with valid data. When the slot number is zero then use the SET VAULT utility to modify the number of slots configured for the vault.

SLS4614E

Volume *VVVVV* not found for VVOL *CCCCCCCC*

Explanation: Volume *VVVVV* was not found when the VVOL *CCCCCCC* command was run.

System Action: The command is not executed.

User Response: Re-enter the command with a valid VOLSER.

SLS4615E

Volume *VVVVV* duplicate for VVOL ADD

Explanation: Volume *VVVVV* was found to be a duplicate when the VVOL ADD command was run.

System Action: The command is not executed.

User Response: Re-enter the command with a valid VOLSER.

SLS4616E

VSM records found - must have VIRTUAL|MVC volumes defined

Explanation: VSM records are present in the CDS. MEDIA(VIRTUAL) and MVC POOL definitions must be present in the SET VOLPARM definitions.

System Action: The utility continues to process the POOLPARM/VOLPARM statements. A return code of X'08' is set.

User Response: Correct the problem with the POOLPARM/VOLPARM control statements and re-run the SET VOLPARM utility.

SLS4617E

The CDS has *N* free blocks, the SET VOLPARM needs *N* blocks.

Explanation: An attempt was made to add VOLPARM and POOLPARM statements that requires more free space than is available in the cds.

System Action: The sluadmin utility terminates.

User Response: Make the necessary correction, and run the utility again.

SLS4618E

CCCCCCC1 subfile not found in CDS

Explanation: The query for the Vault Volume or Vault records did not find the subfile in the CDS.

System Action: The command is not executed.

User Response: Depending on which subfile is not found, run the SET VAULTVOL utility to create the Vault Volume CDS subfile or the SET VAULT utility to create the Vault CDS subfile.

SLS4619I

SLOT *NNNNNN* for VAULT *VVVVVVV* was allocated but not used

Explanation: The Vault audit found SLOT *NNNNNN* in VAULT *VVVVVVVV* to be allocated but not used. SLOT *NNNNNN* has been freed.

System Action: The utility continues processing.

User Response: None.

SLS4620D

Drive *DDDD* rectech *RRRRRRRR* - volume *volser* rectech *RRRRRRRR*; reply M to mount or E to end mount

Explanation: An operator MOUNT command was entered for Volume volser on Drive DDDD, and the Rectech (RRRRRRRR) of the drive is not the same as the Rectech specified for the volume. Because the media type of the volume may be used in the drive, the operator is asked to confirm the MOUNT command. A reply of 'M' will cause the Mount to proceed; a reply of 'E' will cause the Mount command to end without the volume being mounted. Caution should be used because it is possible to mount a volume written at a high density on a drive that is not capable of reading the high density.

System Action: The MOUNT command waits for the operator reply.

User Response: Enter the reply of 'M' or 'E'.

SLS4633I

```
Display Drives Command

DRIVE   LOCATION    VOLSER   STATUS     MODEL    MEDIA or
DRIVE   LOC/SLOT    VOLSER   STATUS     MODEL    MEDIA
UUUU    LLLLLLLLL   volser   SSSSSSSS   0000     MM...MM
or
DRIVE   LOCATION    MODEL   WORLD WIDE NAME   SERIAL NUMBER
UUUU    LLLLLLLLLLL 0000    XXXXXXXXXXXXXXX   NN...NN
```

Explanation: This message is received in response to a Display DRives command with the DETail or IDEntity options. DETail displays status and related information for the drives defined by the LIBGEN esoterics. IDEntity displays LMU information related to the identification of the transport. Display information includes::

UUUU	The drive ID. A four-character driveid (unit address).
LLLLLLLLLLL	The drive location, *AA:LL:PP:NN*, or drive location with slot, AA;LL;PP/SS, or NONLIB (non-library).
volser	The volume serial number or "?" if HSC cannot determine the volser.
SSSSSSSS	The drive status. Drive statuses include: ■ On drive ■ Dismount ■ Mounting ■ Not rdy ■ Offline ■ Online ■ (blank)
OOOO	The drive model.
MMMMMMMMMMMMMMMM	The media type supported by this drive, as specified or defaulted by the UNITATTR statement. In the absence of a UNITATTR, the supported media is determined by the LMU and/or the UCB device type. It does not reflect the media type of a cartridge mounted on the drive. NOTE: A blank media type will be displayed when the media type for a drive cannot be determined.
XXXXXXXXXXXXXXX	The world wide name assigned to this transport.
NNNNNNNNNNNNNNNNNNNN	The transport serial number.

System Action: None.

User Response: None.

SLS4634I

Journal command is invalid when Journaling Technique is not enabled

Explanation: The Journal command was entered but the CDS Journaling Technique is not enabled.

System Action: The command is not executed.

User Response: None.

SLS4639I

CCCCCCCC command is no longer supported

Explanation: The *CCCCCCCC* command is no longer supported by HSC. The function has been removed from the HSC product.

System Action: Processing continues. The command is ignored.

User Response: None. If the message is produced as part of HSC PARMLIB processing, then remove the offending command from the HSC PARMLIB.

SLS4640I

ALLOC *PPPPPPPP* is no longer supported. Use SMC commands.

Explanation: The ALLOC parameter *PPPPPPPP* is no longer supported by HSC. The function has been moved to the SMC product. Use the SMC command to control this function.

System Action: The command continues to process parameters. The unsupported ALLOC parameters are ignored.

User Response: Use the SMC commands to control processing.

SLS4641I

{ALLOC|MNTD} *PPPPPPPP* is supported only for downlevel SMC compatibility

Explanation: The specified ALLOC or MNTD parameter *PPPPPPPP* is effective in HSC only in support of downlevel SMC clients

If a current level SMC system is interfacing with this HSC then use the corresponding SMC ALLOCDEF or MOUNTDEF command to control this option.

System Action: The command continues to process parameters. The specified ALLOC or MNTD parameters are updated for downlevel SMC systems but will not be reflected in processing for current level SMC systems.

User Response: Use the corresponding SMC ALLOCDEF and MOUNTDEF commands to specify options to control processing on current SMC systems.

SLS4642I

```
{TREQDEF|UNITDEF} is supported only for downlevel SMC
compatibility
```

Explanation: The TREQDEF and UNITDEF commands are effective in HSC only to support downlevel SMC clients. If a current level SMC system is interfacing with this HSC then use the corresponding SMC TREQDEF and UNITATTR commands.

System Action: The command continues to process. The TAPEREQ or UNITDEF definitions are loaded in the HSC but will be used only for downlevel SMC system requests.

User Response: Use the corresponding SMC TREQDEF or UNITATTR commands to load definitions in the SMC system.

SLS4643I

```
{CAPPREF} rejected; AUTO CAP services are not supported on a
partitioned ACS
```

Explanation: The AUTO CAP feature is not supported on a partitioned ACS. CAPs cannot be put into AUTO mode on this ACS.

System Action: The command is rejected.

User Response: HSC can continue to run without the AUTO CAP feature on this ACS. In order to use the AUTO CAP feature on this ACS, the ACS must not be partitioned.

SLS4644E

```
Dismount of VVVVVV from drive XXXX - drive is loaded; issue
dismount with FORCE parm
```

Explanation: A request was made to dismount a volume. However, the volume has not been rewound and unloaded.

System Action: The dismount is canceled.

User Response: Re-issue the dismount command with the FORCE parameter.

SLS4645E

```
MOUNT of VVVVVV from drive XXXX - drive is loaded; issue
DISMOUNT with FORCE parm
```

Explanation: A request was made to mount a volume. However, a different volume was found on the drive which had not been rewound and unloaded.

System Action: The mount is canceled.

User Response: Issue the dismount command with the FORCE parameter and re-issue the mount command when the dismount command completes.

SLS4646I

CCCCCCCC command disabled by SET VOLPARM utility

Explanation: The SET VOLPARM utility has been run. The *DEF commands are disabled. *CCCCCCCC* can be:

- VOLDEF
- SCRPDEF
- MVCDEF

System Action: The VOLUME/POOL definitions are set by the SET VOLPARM utility. The *DEF commands are ignored.

User Response: None.

SLS4647E

FORCE parameter invalid for virtual drive *XXXX*

Explanation: The FORCE parameter is not supported for virtual devices.

System Action: The dismount is not processed.

User Response: Re-issue the dismount command without the FORCE parameter. If necessary, issue the MSP UNLOAD command to unload the drive.

SLS4650E

This HSC release does not support Host/LMU Interface
compatibility level *NN* at LMU station *XXXX*

Explanation: This HSC release does not support Host/LMU Interface compatibility level NN returned from LMU station *XXXX*.

System Action: The LMU is not varied online.

User Response: If the Host/LMU compatibility level is 13 or greater, the LMU supports a StreamLine series Library. The HSC must be upgraded to a level that supports the StreamLine series Library before the ACS can be successfully varied online. Otherwise, report this to StorageTek Hardware Support. Install an LMU microcode level on the LMU that is compatible with this HSC release.

SLS4682D

```
ORH: EXTEND or ABORT?  ACS AA, SEQNO BBCCC, CCC1, CCC2, volser
```

Explanation: The HSC is asking the system operator what to do with a request whose response wait time interval has expired. Message SLS0681I was previously issued for this request.

AA	ACSid
BB	HOSTid
CCC	the request sequence number (missing if not on the Active Request Queue)
CCC1	the queue the request is waiting on: **ACT** stands for the Active Request Queue **WTG** stands for the Waiting Request Queue **TMP** stands for the Temp Outage Queue
CCC2	the type of request: **DMT** Dismount **MNT** Mount **MOV** Move **SWP** Swap
volser	is the volume serial number of the cartridge.

System Action: Task waits for operator to enter a reply.

User Response: Answer can be one or more letters of one of the following words:

EXTEND	HSC will extend the response wait time interval another increment to let the LMU finish working on this request. EXTEND is the recommended reply when SLS4682D is first issued for a given LMU request. (Each LMU request is identified by the unique SEQNO.) EXTEND is the recommended response if a dual-LMU switch has just occurred.
ABORT	HSC will free the selected volume so that the operator can enter manual override commands to move the cartridge. ABORT will purge the request from the HSC internal queues. Replying ABORT will probably mean that manual intervention will be necessary. Replying ABORT will also produce an SVCDUMP. A reply of ABORT is recommended if the LMU has reinitialized or if the request has been extended previously.

SLS4700E

```
Command string SSS...SSS not supported for {UUI|METADATA}
```

Explanation: String SSS...SSS was entered as part of a METADATA command, but the command verb or parameter is not valid for the UUI or METADATA interface.

System Action: None.

User Response: Re-enter a valid UUI or METADATA request.

SLS4701E

```
Command CCCCCCCC not allowed from {CONSOLE|UTILITY|PARMLIB|UUI}
```

Explanation: A UUI request which was only valid from a utility was entered via an operator command, or a UUI request which was only valid from an operator command was entered via a utility, or a non-UUI command was entered from a UUI interface.

System Action: None.

User Response: Re-enter the request from the required source.

SLS4702E

```
Command not valid for {HSC|VTCS} source
```

Explanation: A UUI request for a VTCS function was submitted via the SLUADMIN utility or HSC command, or a UUI request for an HSC function was submitted via the SWSADMIN utility or VT command.

System Action: The request is not processed.

User Response: Resubmit the request from the correct source.

SLS4703E

```
XML response format error
```

Explanation: A UUI request was entered which specified XML output. The XML output generated by the request was malformed.

System Action: Processing continues, but the output XML contains an error.

User Response: Save all information and contact StorageTek Software Support.

SLS4704E

```
UUI callback exit not specified
```

Explanation: A UUI request was submitted which did not specify any valid callback exit type (text, XML, or CSV).

System Action: The request is not processed.

User Response: Resubmit the UUI request specifying a valid callback exit.

SLS4705I

```
Completion code XXXX reason code XXXXXXXX loading module
CCCCCCCC
```

Explanation: A utility request was entered that required module *CCCCCCCC*, but the module could not be loaded. The return code and reason code from the LOAD error are listed.

System Action: The request is not processed.

User Response: Review and correct the cause of the error, and resubmit the request.

SLS4706E

```
VSM not active or VTCS load library missing
```

Explanation: A UUI request was submitted for a VTCS function, but the VTCS was not active, or the VTCS function load module could not be loaded.

System Action: The UUI request is not processed.

User Response: If the message is received in response to an SMC Route command, determine whether the requested "route-to" LIBRARY is local or remote. If the LIBRARY is local, then add the VTCS link library to the SMC subsystem STEPLIB concatenation. If the LIBRARY is remote, then add the VTCS link library to the HTTP server STEPLIB concatenation on the host where the HSC is executing. If the request requires VTCS subsystem services, ensure that VTCS is active and resubmit the request. If the request is for a report function, ensure that the VTCS load modules are available in an accessible load library.

SLS4707E

```
Inconsistent CSV parameters
```

Explanation: A UUI request was entered which specified a CSV callback exit but no CSV template data.

System Action: The request is not processed.

User Response: Correct the UUI request and resubmit.

SLS4708E

```
CSV tag name format error
```

Explanation: A UUI request was submitted which had an associated CSV input template. One of the following errors was detected in the CSV input template:

- The length of the input template exceeds the maximum allowed CSV input template length (4096).
- A CSV descriptor element with more than one colon separator was found.
- The format of the subscript portion of the CSV descriptor element is invalid, or the subscript value exceeds the maximum (255).
- The length of a specified tag name exceeds the maximum tag name length (32), or a tag name is omitted.
- A subscript was specified for both a header tag (parent) and data tag portion of the same CSV descriptor element.

System Action: The UUI request is not processed.

User Response: Correct the format of the UUI CSV input template and resubmit the request.

SLS4709E

```
Error processing CCCCCCCC DD; {I/O error|statement exceeds
maximum length|statement format error
```

Explanation: A UUI request was entered via the SLUADMIN utility or SWSADMIN utility, and an error was found processing a *CCCCCCCC* DD control statement.

System Action: The input statement from the *CCCCCCCC* DD is not processed.

User Response: Correct the input statement on the indicated DD and resubmit the job.

SLS4710E

```
Data set specified by CCCCCCC1; CCCCCCC2; Data set not
formatted
```

Explanation: An attempt to open CCCCCCC1 was not successful. CCCCCCC2 is one of the following reasons:

■ Invalid BLKSIZE (the BLKSIZE must be 4096)

■ Can not format a file that has already been formatted

System Action: The SLUADMIN utility terminates.

User Response: Make the necessary correction, and run the utility again.

SLS4711E

```
Volume vault CCCCCCC1 already exists
```

Explanation: An attempt to define a volume vault that already exists.

System Action: The SLUADMIN utility terminates.

User Response: Make the necessary correction and run the utility again.

SLS4712E

```
VAULT CCCCCCC1 not found
```

Explanation: An attempt to delete or modify a vault that does not exist.

System Action: The SLUADMIN utility terminates.

User Response: Make the necessary correction and run the utility again.

SLS4713E

```
Requested vault slots NNNNNNNN1 is less than current NNNNNNNN2
slots defined
```

Explanation: An attempt was made to change the number of slots for a vault to a value less than the current number of slots defined for the vault. The number of slots for a Vault can only be increased.

System Action: The SLUADMIN utility terminates.

User Response: Make the necessary correction and run the utility again.

SLS4714E

```
Requested vault slots requires NNNN1 blocks in CDS, which is
greater than the NNNN2 free blocks available in the CDS
```

Explanation: An attempt to add or increase the size of a vault requires more free space than is available in the CDS.

System Action: The SLUADMIN utility terminates.

User Response: Make the necessary correction and run the utility again.

SLS4715I

```
ADD|MODIFY|DELETE of vault VVVVVVV successful
```

Explanation: Add, Modify, or Delete of vault *VVVVVVVV* was successful.

System Action: None.

User Response: None.

SLS4716E

```
Vaulted volumes already exist
```

Explanation: The vaulted volume records have already been defined and cannot be defined again.

System Action: The SLUADMIN utility terminates.

User Response: Run LIBGEN, SET VAULTVOL and MERGECDS to change the number of vaulted volume records.

SLS4717E

```
Requested vaulted volumes requires NNNNN1 blocks in CDS, which
is greater than the NNNNN2 free blocks available in the CDS
```

Explanation: A vault attempt requires more free space than is available in the CDS.

System Action: The SLUADMIN utility terminates.

User Response: Make the necessary correction and run the utility again.

SLS4718I

```
Vaulted volumes successfully created
```

Explanation: Creation of vaulted volumes was successful.

System Action: None.

User Response: None.

SLS4719E

```
Vaulted volumes must be defined before defining a volume vault
```

Explanation: The vaulted volume records must exist in the CDS before defining a volume vault.

System Action: The SLUADMIN utility terminates.

User Response: Run the SLUADMIN SET VAULTVOL utility to create the vaulted volume records and rerun the SLUADMIN SET VAULT utility.

SLS4720E

```
Vaulted volser VVVVV1 not found
```

Explanation: VOLSER (*VVVVV1*) was not found in the group of vaulted volumes.

System Action: The UUI command is ignored.

User Response: Re-enter the UUI command with a valid vaulted VOLSER.

SLS4721E

```
Cannot mofify|delete vault VVVVVVV because it is already
deleted
```

Explanation: Vault *VVVVVVV* has a status of deleted so it cannot be modified or deleted.

System Action: The UUI command is ignored.

User Response: Re-enter the UUI command with a valid Vault to modify or delete.

SLS4722E

```
Available Vault volume records NNNNNNNN will not satisfy VAULT
SLOT request
```

Explanation: The request for Vault Slots will exceed the number of Vault Volume records that are available.

System Action: The UUI command is not executed.

User Response: Lower the amount of Vault Slots requesting or increase the number of Vault Volume records in the CDS with the LIBGEN, SET VAULTVOL and MERGECDS process.

SLS4723I

```
Volume VVVVV used after SLUCONDB TTTTTT time
```

Explanation: The *VVVVV* physical or virtual volume was a candidate for scratch selection. The select date and time of the physical volume, or last used date and time of the VTV, is later than the starting date and time of the SLUCONDB run or the scratch extract time from SMC or DFSMSrmm.

The *TTTTTT* will either be start time or extract time.

System Action: The volume is not selected for scratch. If the volume is in scratch status in the tape management system, a subsequent scratch synchronization run will scratch the volume.

User Response: None.

SLS4724I

```
No local SMC TAPEPLEX and no SLSCNTL DD specified
```

Explanation: The SLUCONDB utility was started but there is no available target to receive the output. Either an local HSC, or an SMC TAPEPLEX, or an SLSCNTL DD statement must be present to receive the output.

System Action: The utility terminates with a return code of 8.

User Response: Either add an SLSCNTL DD statement to the JCL or enable an SMC TAPEPLEX and then resubmit the scratch synchronization utility.

SLS4725I

No local SMC TAPEPLEX for LIBONLY

Explanation: The SLUCONDB utility was started with the LIBONLY execution parameter to scratch volumes locally using the UUI interface. However there is no local HSC executing on the same host.

System Action: The utility terminates with a return code of 8.

User Response: Resubmit the scratch synchronization utility on a host with an active HSC or use the TAPEPLEX= parameter.

SLS4726I

SLSCNTL DD statement not allowed with LIBONLY or TAPEPLEX

Explanation: The SLUCONDB utility was started with the LIBONLY or TAPEPLEX= execution parameters. However the JCL also contained an SLSCNTL DD statement.

System Action: The utility terminates with a return code of 8.

User Response: Remove the SLSCNTL DD statement from the JCL and resubmit the scratch synchronization utility.

SLS4727I

ZARA subsystem name invalid

Explanation: The SLUCONDB utility was started with the ZARA execution parameter that specified the ZARA subsystem name. However the specified subsystem name is invalid.

System Action: The utility terminates with a return code of 8.

User Response: Correct the ZARA subsystem name and resubmit the scratch synchronization utility.

SLS4728I

Could not load ZARA API module

Explanation: The SLUCONDB utility was started with the ZARA option, but the scratch synchronization ZARA interface module could not be loaded.

System Action: The utility terminates with a return code of 8.

User Response: Investigate the cause of the error and resubmit the scratch synchronization utility.

SLS4729I

Unexpected return code from ZARA

Explanation: SLUCONDB encountered an unexpected return code when accessing ZARA for scratch synchronization.

System Action: The utility terminates with a return code of 8.

User Response: Investigate the cause of the error and resubmit the scratch synchronization utility.

SLS4730I

Error initializing UUI

Explanation: During an execution of SLUCONDB, the UUI facility was used to access the HSC CDS, but an error occurred in trying to initialize the UUI interface.

System Action: The utility terminates with a return code of 8.

User Response: Ensure that joblib/steplib concatenations are correct for the SLUCONDB utility. If the problem persists, contact StorageTek Software Support.

SLS4731I

SMC not active

Explanation: During an execution of SLUCONDB, the UUI facility was used to access the HSC CDS, but there was no active SMC subsystem on the host.

System Action: The utility terminates with a return code of 8.

User Response: Start the SMC subsystem on the host and resubmit the scratch synchronization job.

SLS4732I

TAPEPLEX name not recognized by SMC

Explanation: During an execution of SLUCONDB, the UUI facility was used to direct scratch requests to a remote HSC system, but the tapeplex name specified in the SLUCONDB parm is unknown to SMC.

System Action: The utility terminates with a return code of 8.

User Response: Correct the tapeplex name in the SLUCONDB JCL PARM and resubmit the scratch synchronization job.

SLS4733I

UUI failure: Request=*RRRRRR*, RC=*XXXX*, reason code=*XXXX*

Explanation: During an execution of SLUCONDB, the UUI facility was used and encountered the indicated error.

System Action: The utility terminates with a return code of 8.

User Response: Review the distributed NCSCOMM macro for a list of UUI error and reason codes. Correct the error and resubmit the scratch synchronization utility. If the cause of the error cannot be determined, contact StorageTek Software Support.

SLS4734I

ZARA subsystem is down

Explanation: During an execution of SLUCONDB, the ZARA subsystem was found to be inactive.

System Action: The utility terminates with a return code of 8.

User Response: Ensure that ZARA subsystem is active and resubmit the scratch synchronization job.

SLS4735I

SAF access denied to ZARA API request

Explanation: During an execution of SLUCONDB, the ZARA interface module received an error indicating that it was not authorized to access ZARA.

System Action: The utility terminates with a return code of 8.

User Response: Change the SAF policy to allow the SLUCONDB job to access the ZARA API.

SLS4736E

Incompatible HSC found active on HOST *HHHHHHHH*

Explanation: During initialization, HSC discovered an incompatible HSCHSC level running on the indicated host. The most probable cause is running a previous release without coexistence PTFs applied.

System Action: HSC terminates.

User Response: Terminate the HSC on the indicated host and reinitialize it with a compatible level of HSC.

SLS4737E

CDS directory recovery operation failed

Explanation: An attempt was made to rebuild the database directory, but an error was encountered that made it impossible to continue.

System Action: HSC or utility terminates after taking an SVC dump.

User Response: Restore the CDS from backups. Save the dump and contact StorageTek Software Support.

SLS4738I

CDS *CCCC...CCCC* disabled; inconsistent copy flag found on

Explanation: During initialization or database reserve a CDS copy was found to be inconsistent as a result of a partially completed CDS Merge, copy, or other process.

System Action: The inconsistent copy is disabled.

User Response: Enable this CDS to force synchronization with a valid copy.

SLS4739E

```
Cannot enable new CDS CCCC...CCCC1; CCCCCCCC2
```

Explanation: An attempt to activate a new CDS data set, *CCCC...CCCC1*, with a CDs Enable command has failed because the data set is either unknown or unsuitable for use as a CDS copy. *CCCCCCCC2* is one of the following reasons:

- Invalid BLKSIZE (the BLKSIZE must be 4096)
- Invalid DSORG (the DSORG must be PS)
- More than one extent
- Invalid UCB type (the data set must reside on a DASD)
- Could not obtain VTOC info

System Action: The HSC continues operation with the current CDS definitions.

User Response: If attempting to activate a renamed existing CDS copy, make sure that the data set was properly renamed and that the DSn parameter was correctly specified on the CDs Enable command. If attempting to relocate a new CDS copy and the reason was "Could not obtain VTOC info", then it is likely that the DSn, NEWLoc, NEWVol, and/or NEWUnit parameters were either missing or incorrectly specified. For all other reasons, if the DSn parameter specified the correct data set, then the data set is unsuitable for use as a CDS; reallocate a new CDS data set with the proper attributes and reissue the CDs Enable command.

SLS4740E

```
New CDS CCCC...CCCC is of insufficient size; capacity is DDD1
blocks, required capacity is DDD2 blocks
```

Explanation: An attempt to activate a new CDS data set, *CCCC...CCCC*, with a CDs Enable command has failed because the data set is not big enough. It can contain only *DDD1* 4096-byte blocks but the current CDS requires at least *DDD2* blocks.

System Action: The HSC continues operation with the current CDS definitions.

User Response: Reallocate a larger new CDS data set and reissue the CDs Enable command.

SLS4741E

```
BSAM Open failed for new CDS CCCC...CCCC
```

Explanation: An attempt to activate a new CDS data set, *CCCC...CCCC*, with a CDs Enable command has failed during its initialization process. A BSAM Open operation failed.

System Action: The HSC continues operation with the current CDS definitions.

User Response: Look for other error messages from BSAM that might help isolate the error. If the error cannot be resolved, contact StorageTek Software Support.

SLS4742E

```
BSAM Write failed for new CDS CCCC...CCCC, block DDDD
```

Explanation: An attempt to activate a new CDS data set, *CCCC...CCCC*, with a CDs Enable command has failed during its initialization process. A BSAM Write operation failed writing block number *DDDD*.

System Action: The HSC continues operation with the current CDS definitions.

User Response: Look for other error messages from BSAM that might help isolate the error. If it is a permanent I/O error, delete and reallocate a new CDS data set and reissue the CDs Enable command. If the error cannot be resolved, contact StorageTek Software Support.

SLS4743I

```
CDS EXpand failed, block count not greater than current size.
```

Explanation: An attempt was made to expand active CDS, but HSC has determined there is no change in the current size of the CDS.

System Action: CDS EXpand fails.

User Response: Allocate new CDSs of a larger block size. CDS Enable the newly sized CDSs before issuing the CDS EXpand command.

SLS4744E

```
Expand of the Secondary CDS has failed.
```

Explanation: CDS EXpand has detected an error while reading the Primary CDS and expanding the Secondary CDS.

System Action: CDS Expand command terminates.

User Response: Investigate HSC Job Log and System logs for Database I/O errors and any related HSC messages. Correct the errors indicated. Restore all CDS files from backup copies and reenter CDS EXpand command.

SLS4745E

```
Expand of Primary CDS has failed.
```

Explanation: CDS EXpand has detected an error while expanding the Primary CDS.

System Action: CDS Expand command terminates.

User Response: Investigate HSC Job Log and System logs for Data base I/O errors and any related HSC messages. Correct the errors indicated. Restore all CDS files from backup copies and reenter CDS EXpand command.

SLS4746E

```
Copies to Primary/Standby CDS have failed.
```

Explanation: Secondary CDS copy to either Primary/Standby CDS encountered an error. Status of Primary/Standby CDS is unpredictable.

System Action: CDS Expand command terminates.

User Response: Investigate HSC Job Log and System logs for Data base I/O errors and any related HSC messages. Correct the errors indicated. Restore all CDS files from backup copies and reenter CDS EXpand command.

SLS4747E

CDS DALM updates encountered an error.

Explanation: DALM record updates to either Primary or Secondary CDS encountered an error. DALM record status is unpredictable.

System Action: CDS Expand command terminates.

User Response: Investigate HSC Job Log and System logs for Data base I/O errors and any related HSC messages. Correct the errors indicated. Restore all CDS files from backup copies and reenter CDS EXpand command.

SLS4748I

CDS EXpand has completed successfully.

Explanation: All CDSs now reflect the new database size.

System Action: HSC CDSs return to normal work activities.

User Response: Update HSC startup parameters with new CDS names, if appropriate.

SLS4749I

CDS EXpand has completed unsuccessfully.

Explanation: An error has occurred during the CDS EXpand process.

System Action: HSC issued an EXpand related messages prior to this message.

User Response: Investigate HSC Job Log and System Log for I/O errors and any related HSC messages. Correct the errors indicated. Restore all CDSs from backup copies and reenter CDS EXpand command.

SLS4750I

Expanded CDS recognized and adopted

Explanation: It was determined that the CDS has been expanded. This was the result of an operator CDs EXpand command issued on another host. The expanded size of the CDS is adopted on this host.

System Action: The HSC continues operation.

User Response: None.

SLS4761I

Point-in-time copy initiated

Explanation: The point-in-time function has been initiated.

System Action: This message indicates that the last backup date in the CDS has been updated, and that the point-in-time copy function will be invoked.

User Response: Review the output of the request to ensure that either the backup is successful (message SLS4762I) or that the backup failed (SLS4763I). If the backup successful message is not received, then check for the presence of SLS4764I message that indicates that the last backup date in the CDS was successfully restored.

SLS4762I

    Point-in-time copy successful

Explanation: The point-in-time copy return code from the copy processing program indicates that the copy was successful.

System Action: None.

User Response: None.

SLS4763I

    Point-in-time copy failed; backup copy data set invalid

Explanation: The return code from the point-in-time functional module indicated that the copy failed. If a backup data set was created, it is invalid.

System Action: None.

User Response: Check the output of the utility for message SLS4764I, indicating that the last backup date was successfully restored. If this message does not appear, it may indicate that the last backup date in the CDS is incorrect. Review the output of the utility to determine if an invalid backup copy was created and should be deleted.

SLS4764I

    Point-in-time last backup date successfully restored

Explanation: The point-in-time backup function failed after the last backup date in the CDS was updated. This message indicates that the previous last backup date was successfully restored.

System Action: If the backup failed but this message was not issued, then the last backup date in the CDS may be incorrect.

User Response: Review the output to determine the error that caused the backup to fail, and resubmit the request.

SLS4765E

    Vault *VVVVVVV* cannot be deleted because it is not empty

Explanation: There are volumes in vault *VVVVVVVV* so it cannot be deleted.

System Action: The command is not executed.

User Response: Empty vault *VVVVVVV*. Once the vault is empty then the vault can be deleted.

SLS4806I

    XAPI *CCC...CCC*:

Explanation: An XAPI command was entered with text output requested. This message precedes the command output.

System Action: None.

User Response: None.

SLS4807I

VTCS not active; VTV status information not available

Explanation: A QUERY DRIVE_INFO commanas processed that included a request for virtual drive status. However, VTCS was not active, so mounted VTV information was unavailable.

System Action: None.

User Response: None.

SLS4808I

Volume list for group|drive information contains both real and virtual volumes

Explanation: A QUERY VOLUME_INFO command was processed with a GROUP or DRIVE mount format request. Because the input list contained a combination of real and virtual volumes, a list of compatible groups or drives could not be produced.

System Action: GROUP or DRIVE data is not produced.

User Response: Correct the list of input volumes to include only real or only virtual volumes and resubmit the request.

SLS4809I

Requested drive count exceeded; drive list truncated

Explanation: A QUERY VOLUME_INFO command was processed with a maximum number of drivcs requested. The list of eligible drives returned was truncated because the number exceeded the requested maximum.

System Action: Number of drives returned equals the requested maximum.

User Response: None.

SLS4810I

Number of requested volumes exceeds maximum of *NNN* from console for *CCC...CCC* command

Explanation: A command *CCC...CCC* was received from the console. The number of volumes in the request exceeded *NNN*, the maximum allowed from the console.

System Action: The maximum number of volumes is displayed.

User Response: Submit an new request for additional volumes, or submit the request from a utility.

SLS4811I

Command *CCC...CC1* parameter *CCCCCCC2* not allowed from console

Explanation: A command *CCC...CC1* was received from the console with a parameter *CCCCCCC2* that is not supported from a console request.

System Action: The command is not processed.

User Response: Submit the command without the parameter, or submit the request from a utility.

SLS4812I

Subpool *S...S* label type *LLL* does not match request

Explanation: On a QUERY SCR_MNT_INFO request, the requested label type, if specified, did not match the label type *LLL* associated with the requested subpool *S...S*.

System Action: Processing continues. The requested label type is ignored.

User Response: If possible, resolve the discrepancy and resubmit the command. If a mount is attempted using the same label and scratch subpool parameters, it will be rejected if VOLPARM is in effect, or a scratch volume may be selected from an incorrect subpool.

SLS4813I

Unrecognized value *CCCCCCCC* for media|rectech parameter; value ignored

Explanation: On a QUERY SCR_MNT_INFO request, a value in the MEDIA or RECTECH parameter did not match any of the values defined to HSC.

System Action: Processing continues. The requested MEDIA or RECTECH is ignored. If the input value is a list, valid values in the list are used to process the request; otherwise, the request is treated as though the parameter was not specified.

User Response: If the problem is because of an incompatiblity in the media or recording techniques supported on the server, then if possible ensure that both clients and servers support the same devices. Otherwise, correct the invalid value and resubmit the command.

SLS4814I

No compatible values found between MEDIA and [rectech|model]

Explanation: Either MEDIA and RECTECH or MEDIA and MODEL were specified for a request, but the specified values contained no compatible types.

System Action: The request is not processed.

User Response: Resubmit the request, specifying only one of MEDIA or RECTECH or MODEL, or ensure that the values for the two parameters are compatible.

SLS4960I

Move "To" panel is frozen

Explanation: A MOVe command or utility function was attempted specifying a move to a frozen panel.

System Action: The requested command or utility terminates. The move is not performed.

User Response: Re-enter the command or utility specifying a TPanel that is not frozen. If the panel should not be frozen, use the SET FREEZE(OFF) utility to unfreeze it.

SLS4970I

```
SEN QUEUE DISPLAY STATUS

CURRENT REQUESTORS 99999999

REQNAME RRRRRRRR LNRNAME LLLLLLLL TOKEN TTTTTTTT

FLAGS FFFFFFFF

EVENT EEEEEEEE
```

Explanation: This is the output from the Display SEN Queue command. The output produced varies depending on the parameters specified. If no parameters are specified all entries in the SEN QUEUE are displayed. If REQname is specified then only Requestors matching REQname will be displayed. If LNRname is specified REQname must be specified. If LNRname is specified then only Requestors and Listeners matching REQname and LNRname will be displayed.

99999999	Number of Requestors on the SEN QUEUE
RRRRRRRR	Requestor name
LLLLLLLL	Listener name
TTTTTTTT	Hex display of the Requestor Token
FFFFFFFF	Description of the processing flags for the SEN QUEUE ENTRY
EEEEEEEE	Description of the Event to be Listened for

System Action: None.

User Response: None.

SLS4971I

```
Significant Event Notification facility not active
```

Explanation: An attempt was made to display SEN Queue entries. However, Significant Event Notification facility is not active.

System Action: The DISPLAY SEN command is rejected.

User Response: Make certain you are running the correct version of HSC. If you are certain you are running the correct version contact StorageTek Software Support.

SLS4972I

```
SEN QUEUE is empty
```

Explanation: An attempt was made to display SEN Queue entries. However, the SEN QUEUE contained no entries.

System Action: Processing continues.

User Response: Make certain you have run the task to add entries to the SEN QUEUE. If the task has run correctly contact StorageTek Software Support.

SLS4973I

REQNAME *NNNNNNNN* not found

Explanation: An attempt was made to display a specific Requestor on the SEN QUEUE. However, the specified Requestor was not found.

System Action: Processing continues.

User Response: Make certain you have spelled the Requestor name correctly.

SLS4974I

LNRNAME *NNNNNNNN* not found

Explanation: An attempt was made to display a specific Listener on the SEN QUEUE. However, the specified Listener was not found.

System Action: Processing continues.

User Response: Make certain you have spelled the Listener name correctly.

SLS5010I

CCCCCCCC submitted to VSM system

Explanation: *CCCCCCCC* command has been submitted to the VSM system for processing.

System Action: HSC processing continues.

User Response: None.

SLS5011I

CCCCCCCC-TTTTTTTT

Explanation: *TTTTTTTT* is the text of the response returned by the VSM system for the *CCCCCCCC* command.

System Action: HSC processing continues.

User Response: None.

SLS5012I

CCCCCCCC failed - VSM not active

Explanation: The *CCCCCCCC* command failed due to the VSM system not being active.

System Action: HSC processing continues.

User Response: Determine the cause of the VSM system not being active.

SLS5013I

CCCCCCCC completed (*RRRRRRRR*)

Explanation: The *CCCCCCCC* completed with a final result code of *RRRRRRRR*. If the *RRRRRRRR* value is not zero (0), a second line will be displayed that describes the reason for the failure.

System Action: HSC processing continues.

User Response: None.

SLS5014I

CCCCCCCC requests - MIGRATES=*N* RECALLS=*N* RECLAIMS=*N*

Explanation: To respond to a Display request, VSM reports N processes. *CCCCCCCC* is the type of process (Active or Queue).

System Action: HSC processing continues.

User Response: None.

SLS5015I

Display RTD

Explanation: To respond to a VT DISPLAY RTD request, VSM reports RTD status. Information returned include status, status (ONLINE/OFFLINE/MAINTENANCE), activity (mounted,recalling,migrating,recalling,mounting) and the MVC volume id.

System Action: HSC processing continues.

User Response: None.

SLS5016I

`Display active/queued detail`

Explanation: To respond to a VT Display DETail request, VSM reports the status of each VSM activity. Status includes function, process id, VTV id, MVC id, RTD and VTSS involved.

Possible functions can be any of the following:

VTV_upd

Resync VTV status and CDS.

MVC_upd

Reset MVC status.

Dismount

VTV dismount.

Sel_scr

PGMI select scratch.

Recall

Recall VTV from MVC.

MVC_inv

Audit of an MVC.

VTSS_inv

Audit of a VTSS.

Mount

VTV mount.

Migrate

Migrate VTV to MVC.

MVC_chek

Query MVC.

Drain

Drain VTVs from MVC.

Scratch

Scratch VTV.

Transfer

Transfer VTV between VTSSs.

Unscratch

Unscratch VTV.

Vary@

Vary RTD.

VTV_chek

Query VTV.

Unload

Unload MVC from RTD.

Audit#

Audit utility request.

Migrate@

Migrate command or utility.

Recall@

Recall command or utility.

Reclaim@

Reclaim command or auto reclaim request.

Drain@

Drain command.

Mig_set@

Set migration threshold command.

Mig_thr@

Migrate to threshold command.

Cancel@

Cancel command.

Display@

Display command.

QRY/SET@

Query or set command.

For QUEUED activity the reason for the wait is reported as follows:

TSK

Waiting for processing lock on other host.

VTD

Waiting for VTD.

MVC

Waiting for MVC lock.

VTV

Waiting for VTV lock.

INV

Waiting for an available audit (inventory) task.

CMD

Waiting for the command processor task.

DSP

Waiting for the main dispatcher task.

SS

Waiting for an available VTSS task.

RTD

Waiting for an available RTD task.

DRV

Waiting for a free RTD.

SCR

Waiting for scratch tapes.

RCM

Waiting for the space reclaim manager task.

System Action: HSC processing continues.

User Response: None.

SLS5017I

CCCCCCCC Nothing to display

Explanation: The *CCCCCCCC* command completed with nothing to display.

System Action: HSC processing continues.

User Response: None.

SLS5018I

Range/List item greater than maximum - First 64 processed

Explanation: The range/list of the RTD list in the VT Display/VT Vary RTD command contains a greater number than the 64 maximum allowed.

System Action: HSC processing continues.

User Response: Resubmit the command with a range/list smaller than 64 RTDs.

SLS5019I

VT *CCCCCCCC* command not processed - *RRRRRRRR*

Explanation: The VT command *CCCCCCCC* was not processed for the following reason (*RRRRRRRR*):

■ VCI not initialized - The communication component to the VSM system has not initialized.

■ Processor not loaded - The command processor has not been loaded.

System Action: HSC processing continues.

User Response: Determine the reason for the failure and correct.

SLS5020I

CCCCCCCC Nothing to display

Explanation: The VT command *CCCCCCCC* completed with nothing to display.

System Action: HSC processing continues.

User Response: None.

SLS5021I

MVC volume *VVVVVVV* set to NONSCRATCH

Explanation: The VSM MVC volume *VVVVVVV* has been changed from scratch to non-scratch status.

System Action: HSC processing continues.

User Response: None.

SLS5022E

VT *CCCCCCCC* command cannot be processed - VTCS has not initialized. Reply if command is to be cancelled

Explanation: VTCS command *CCCCCCCC* can not be processed at this time because VTCS has not initialized.

System Action: The system waits for VTCS to initialize. Once that occurs the command will be processed. If HSC/VTCS termination is requested before the command has been processed, the command will be cancelled.

User Response: Investigate why VTCS has not initialized. Reply to this message, with any single character value, only if the command is to be cancelled. Message SLS5023I will be output to confirm the command was cancelled. Leave the reply outstanding if the system is to process the command once VTCS has initialized.

SLS5023I

VT *CCCCCCCC* command cancelled dur to *RRR*

Explanation: Message SLS5022E was output previously for VTCS command *CCCCCCCC*, indicating that the command could not be processed because VTCS has not initialized. Subsequently, the command was cancelled without being processed for the reason given below:

■ If *RRR* is 'operator request', VTCS command *CCCCCCCC* was cancelled because message SLS5022E was replied to.
■ If *RRR* is 'HSC/VTCS termination', VTCS command *CCCCCCCC* was cancelled because HSC and/or VTCS termination was detected.The command was cancelled without being processed.

User Response: If necessary, re-issue the command once VTCS has initialized.

SLS5024E

Timeout on ECAM I/O to device *NNNN*

Explanation: VTCS is waiting for ECAM I/O to complete for device *nnnn*. This message indicates that a VTCS timer has expired and the I/O has not yet completed.

System Action: VTCS will continue to wait for the I/O to complete.

User Response: Check the HSC logs and SYSLOG to determine if any errors exist for the address identified in the message. If any IOS*nnnn* messages exist for the VTD address(es) in question, determine if the errors are limited to a single path. If so, vary the affected path(s) offline. If the errors appear to affect all paths, a `Vary nnnn,OFFLINE,FORCE` command can be issued to attempt to bypass the device. Once the problem has been corrected, the device can be brought back online. It should not be necessary to re-start HSC/VTCS once the errors have been corrected and the VTD addresses are properly online. If the VTSS was taken offline, a `VT Vary VTSS(nnnnnnnn) ONline` can be issued to bring the VTSS online. If the errors cannot be resolved, contact StorageTek Software Support.

SLS5075I

```
MOUNT of VVVVVV on drive DDDDDD - Complete
```

Explanation: In response to a mount request, volume *VVVVVV* was mounted on specified VIRTUAL transport *DDDDDD*.

System Action: Normal processing continues.

User Response: None.

SLS5076I

```
DISMOUNT of VVVVVV from drive DDDDDD - Complete
```

Explanation: The dismount of *VVVVVV* from specified VIRTUAL transport *DDDDDD* is complete. Receiving this message does not necessarily indicate that the dismount was successful.

System Action: Normal processing continues.

User Response: None

SLS5077E

```
MOUNT of VVVVVV on drive DDD - Failed (RC) - VSM is not active
```

Explanation: The mount of volume *VVVVVV* on VIRTUAL drive *DDD* failed due to the VSM system not being active. *RC* is the return code from HSC/VTCS.

System Action: Mount fails.

User Response: Attempt to correct the problem, and reissue the mount request.

SLS5078I

```
DISMOUNT of VVVVVV from drive DDD - Failed (RC) - VSM is not
active
```

Explanation: The dismount of volume *VVVVVV* from VIRTUAL drive *DDDDDD* failed due to the VSM system not being active. *RC* is the return code from the HSC/VTCS support system.

System Action: Dismount fails.

User Response: Attempt to correct the problem, and reissue the dismount request.

SLS5079E

MOUNT of *VVVVV* on *DDDD* – Failed (*RC*) – *ERRTEXT*

Explanation: The mount of volume *VVVVV* on VIRTUAL drive *DDDD* failed. The reason for the failure is defined in the *ERRTEXT* portion of the message. *RC* is the return code from HSC/VTCS.

Explanations, System Actions and User Responses for the various Reason texts are detailed below. The context in which the message is issued should always be determined, as the text for a given Reason describes the most likely case and may not match the specific case in which it was output.

DRIVE ALREADY HAS A VTV MOUNTED

Explanation: A Mount was requested of Volume *vvvvvv* on device *dddd*. VTCS determined that the device already has a VTV Mounted on it.

System Action: The Mount fails.

User Response: Determine which VTV is Mounted on the device. If it should not be Mounted, attempt to Unload/Dismount it using the MSP Unload command and the HSC Dismount command.

- If the Mount is still required, re-drive it.
- If the reason for the failure is not understood, contact StorageTek Software Support.

INTERNAL ERROR OCCURRED RC=*rrrrrrrr*

Explanation: A Mount was requested of volume *vvvvvv* on device *dddd*. VTCS suffered an internal error (Return Code X'*rrrrrrrr*') whilst processing the Mount.

System Action: The Mount fails.

User Response: Contact StorageTek Software Support.

INVALID VIRTUAL SUBPOOL *pppppppp*

Explanation: A Mount was requested of Scratch volume *vvvvvv* on device *dddd*. The Scratch volume was associated with Subpool *pppppppp* (e.g. by a TAPEREQ statement), but the Subpool was found to be invalid.

System Action: The Mount fails.

User Response: Determine how the Subpool was selected (e.g. TAPEREQ statement). Check that *pppppppp* is the name of a Subpool and that it contains Scratch volumes. Make any necessary corrections.

- If the Mount is still required, re-drive it.
- If the reason for the failure is not understood, contact StorageTek Software Support.

INVALID VTD ADDRESS *ssssssss* FOR VTV

Explanation: A Mount was requested of volume *vvvvvv* on device *dddd*. VTCS failed to find the internal control block for device (VTD) *dddd* which is in VTSS ssssssss.

System Action: The Mount fails.

User Response: Contact StorageTek Software Support.

```
MVC: mmmmmm CANCELLED BY OPERATOR
```

Explanation: A Mount was requested of Migrated volume *vvvvvv* on device *dddd*. Before the Recall and Mount were complete, the request was cancelled by the operator, e.g. by using the VT CANCEL command to cancel the Recall.

System Action: The Mount fails.

User Response: If the Mount is still required, re-drive it.

If the reason for the failure is not understood, contact StorageTek Software Support.

```
MVC: mmmmmm MVC COULD NOT BE MOUNTED
```

Explanation: A Mount was requested of Migrated volume *vvvvvv* on device *dddd*. VTCS initiated a Recall of the VTV from MVC *mmmmmm*, but the MVC could not be mounted.

System Action: The Mount fails.

User Response: Determine why the MVC Mount failed, e.g. from more specific error messages. Correct any problems found.

- If the Mount is still required, re-drive it.
- If the reason for the failure is not understood, contact StorageTek Software Support.

```
MVC: mmmmmm NO ACCESS TO VTSS ssssssss TO VERIFY VTV LOCATION
```

Explanation: A Mount was requested of Migrated volume *vvvvvv* on device *dddd*. The VTV had previously been resident in VTSS *ssssssss*. The VTSS could not be accessed by this Host to determine if it contains a copy of the VTV.

System Action: The Mount fails.

User Response: Check that VTSS *ssssss* can be accessed by, and is Online to, this Host.

- If the Mount is still required, re-drive it.
- If the reason for the failure is not understood, contact StorageTek Software Support.

```
MVC: mmmmmm No RTDs for requested media and ACS
```

Explanation: A mount was requested of migrated volume *vvvvvv* on device *dddd*. During recall processing, it was determined that there were no RTDs in the ACS that could mount the requested media type.

System Action: The Mount fails.

User Response: This is probably due to a configuration change. Determine the MVC media type and ACS location of the volume, or if other MVCs are available to access the VTV.

- If the mount is still required, move the MVC to an ACS with RTDs of the correct type and re-drive the mount -or- make other MVC copies available to use for recalling the VTV.
- If the reason for the failure is not understood, contact StorageTek Software Support.

```
VTV mount suppressed by subsequent mount/dismount request
```

Explanation: A mount was requested of volume *VVVVVV* on device *DDDDDD*. If
"(MVC:*VVVVVV*)" appears in the message it means that after a successful VTV recall
from MVC:*VVVVVV*, a different VTV was now required to be mounted on VTD
DDDDDD.

A common scenario that gives this message is:

a. A job requests VTV *VVVVVV* be mounted on VTD *DDDDDD*

b. As volume *VVVVVV* is found to be migrated, the VTCS initiates a recall of VTD
   VVVVVV from MVC:*VVVVVV*

c. The batch job requesting VTV *VVVVVV* is cancelled

d. A second job requests a different VTV and is assigned the same VTD *DDDDDD*

e. The recall of *VVVVVV* initiated by the cancelled job completes

f. VTCS attempts to complete the mount of VTV *VVVVVV* but finds that VTD
   DDDDDD is no longer processing VTV *VVVVVV*.

If "(MVC:*VVVVVV*)" does not appear it means that requests received from different
SMC clients were received in an illogical order by the HSC/VTCS server.

A common scenario that gives this message is:

a. A job from host 1 requests mount of VTV *VVVVVV* on VTD *DDDDDD*

b. A mount request is sent from the SMC on host 1 to the HSC/VTCS server but due
   to network delays is not immediately received

c. The job on host 1 is cancelled   (d) A dismount request is sent from the SMC on
   host 2 to the HSC/VTCS server

d. A job from host 2 requests mount of VTV and is assigned VTD *DDDDDD*

e. A mount request is sent from the SMC on host 2 to the HSC/VTCS server and is
   received before the mount and dismount requests from host 1.

System Action: The mount fails

User Response: If the failed mount is still required, redrive it. If the reason for the
failure is not understood, contact StorageTek Software Support.

```
NO MVCS AVAILABLE
```

Explanation: A Mount was requested of volume *vvvvvv* on device *dddd*. Because the VTV was Resident in a different VTSS from the one that contains device *dddd*, a VTV transfer was initiated. The transfer is achieved by Migrating the VTV from the other VTSS and Recalling it into the VTSS containing device *dddd*.

The VTV could not be Migrated from the other VTSS because no MVCs were available.

System Action: The Mount fails.

User Response: Determine where VTV *vvvvvv* is Resident. Then, either:

- Change the JCL to select a device in that VTSS, or
- Investigate why no MVCs could be selected for Migration. Correct any problems found.
- If the Mount is still required, re-drive it.
- If the reason for the failure is not understood, contact StorageTek Software Support.

```
PROBLEM DECODING VCI REQUEST
```

Explanation: A Mount was requested of volume *vvvvvv* on device *dddd*. An internal error occurred within VTCS whilst processing the Mount.

System Action: The Mount fails.

User Response: Contact StorageTek Software Support.

```
SUBSYSTEM TERMINATING
```

Explanation: A Mount was requested of volume *vvvvvv* on device *dddd*. VTCS could not process the Mount as the Task for the VTSS containing device *dddd* was terminating/had terminated, e.g. as the result of a VT VARY VTSS(*ssssssss*) OFFLINE command.

System Action: The Mount fails.

User Response: Check the status of the VTSS containing device *dddd*. If it should be Online but is not, issue VT VARY VTSS(*ssssssss*) ONLINE. VTCS will process the Mount when the VTSS comes Online.

If the reason for the failure is not understood, contact StorageTek Software Support.

```
VTV CONTENTS SUSPECT
```

Explanation: A Mount was requested of volume *vvvvvv* on device *dddd*. The VTV was found to be "fenced".

System Action: The Mount fails.

User Response: As for message SLS6657E.

Contact StorageTek Software Support.

```
VTV: vvvvvv INACCESSIBLE/BAD VTSS ssssssss REFERENCED
```

Explanation: A Mount was requested of volume *vvvvvv* on device *dddd* in VTSS *sssss sss*. VTV *vvvvvv* could not be Mounted due to either:

- The state of the VTSS. The VTSS could not be accessed by this Host or was not Online.

- In the case of a Scratch Mount, the Mount failing and being re-tried too many times. This can happen if another product repeatedly rejects the VTV as not being in Scratch status.

System Action: The Mount fails.

User Response: In the case of a specific (non-scratch) Mount, check VTSS *ssssssss* can be accessed by, and is Online to, this Host. Correct any problems found.

In the case of a Scratch Mount, determine if another product is rejecting the Mount, e.g. because its scratch definitions are not synchronized with those of VTCS.

Make any necessary changes.

- If the Mount is still required, re-drive it.

- If the reason for the failure is not understood, contact StorageTek Software Support.

```
VTV: vvvvvv ATTEMPTS TO SELECT A SCRATCH VTV HAVE BEEN
EXHAUSTED
```

Explanation: A scratch mount was requested on device *dddd* in VTSS *ssssssss*. The mount request failed after an internally specified number of VTVs were selected as a scratch and then found to not be a qualified scratch.

Volume *vvvvvv*, which is listed in the message, is the last VTV found in this state. This error can occur if another product repeatedly rejects each VTV as not being in scratch status or if the VTV scratch status in the CDS is not synchronized with the VTCS internal scratch counts.

System Action: The VTV scratch mount request will be retried later.

User Response: Determine if another product is rejecting the mount, e.g. because its scratch definitions are not synchronized with those of VTCS.

Make any necessary changes. If the reason for the failure is not understood, contact StorageTek Software Support.

```
VTV vvvvvv IS STILL MOUNTED
```

Explanation: A Mount was requested of volume *vvvvvv* on device *dddd*. VTCS determined that the VTV is still Mounted from a previous Mount.

System Action: The Mount fails, though VTCS will attempt to re-drive it.

User Response: Determine whether the previous Mount of VTV *vvvvvv* was on a different Host to the current Mount. If it was, check that SYSZVOLS ENQueues are being correctly propagated across Hosts.

- If the previous Mount was on the same Host, attempt to determine if there was any reason for the Dismount to have failed. Correct any problems found.
- If the reason for the failure is not understood, contact StorageTek Software Support.


```
vvvvvv IS NOT A VALID VTV
```

Explanation: A Mount was requested of volume *vvvvvv* on device *dddd*.

VTCS determined that *vvvvvv* is not defined in the VTCS Configuration, via a VTVVOL statement, as being Virtual.

System Action: The Mount fails.

User Response: Determine why a non-virtual allocation was directed to virtual device (VTD) *dddd*. Esoterics, JCL, TAPEREQ statements, ACS routines and User Exits influence allocation and should be reviewed.

Make any necessary corrections.

- If the Mount is still required, re-drive it.
- If the reason for the failure is not understood, contact StorageTek Software Support.


```
VTV: vvvvvv  ECAM ERROR CC=ccc RC=rrr
```

Explanation: VTV *vvvvvv* failed to mount due to an ECAM error. The ECAM completion code is *ccc* and the return code is *rrr*.

System Action: The mount fails.

User Response: Consult the appropriate ELS Guide. If the reason for the failure is not understood, contact StorageTek Software Support.

```
VTV: vvvvvv  VOLUME ACCESS CONTROL GAVE RC=rrrrrrrr
```

Explanation: VTV *vvvvvv* was selected to satisfy a scratch mount, but the mount was rejected because User Exit 14:

- set Return Code UX14RJCT (reject).
- set Return Code UX14PWRD (password check) and the password check performed by HSC failed.
- set Return Code UX14RACF/UX14RACL (RACROUTE check) and the RACROUTE check performed by HSC indicated the requestor does not have access to VTV *vvvvvv*.
- set Return Code UX14RACF/UX14RACL (RACROUTE check) and the RACROUTE check performed by HSC indicated the requestor has READ, but not UPDATE, access to VTV *vvvvvv*. HSC therefore requested VTV *vvvvvv* be mounted as write-protected.
- set Return Code UX14NWRT (write-protect).

This message may be preceded by one or more of messages SLS2978A, SLS2979I, SLS2980I, SLS2985I or SLS2986I.

X'rrrrrrrr' is the Return Code passed to VTCS by HSC after invoking User Exit 14 and performing any processing requested by User Exit 14.

- X'91309130' indicates the request to mount VTV *vvvvvv* was denied by User Exit 14 or by HSC as a result of a password/RACROUTE check failing.
- X'91319131' indicates that VTCS was requested to mount VTV *vvvvvv* as write-protected. This was rejected by VTCS because the VTV selected to satisfy a scratch mount must be mounted write-enabled.

System Action: SYSTEM ACTION: The mount fails.

User Response: Look for any preceding message SLS2978A, SLS2979I, SLS2980I, SLS2985I or SLS2986I. Determine why VTCS received Return Code X'rrrrrrrr' and whether this was the correct response for VTV *vvvvvv* given the details (e.g. jobname) of the address space requesting the mount.

If the mount is still required, make any changes that are needed so that the mount does not fail again, then re-drive the mount.


```
VTV IS IMPORT BLOCKED
```

Explanation: VTV *vvvvvv* is not accessible as it is still pending completion of an IMPORT request.

System Action: The mount fails.

User Response: Determine if there was an error condition during IMPORT processing. A possible cause of this would be having LOGPOL=REQUIRED specified, but logging is not active at the time of the IMPORT. This condition can be cleared by first correcting the problem that caused the failure and taking the following steps:

1. Issue a 'Display VTV *vvvvvv*' and note the line:

```
Importing:              nnnn (VTD address)
```

2. Issue 'Dismount *vvvvvv* nnnn'

Attempt to mount the VTV again. If the reason for the failure is not understood, contact StorageTek Software Support.

SLS5080E

DISMOUNT of VVVVVV from *DDDDDD* - Failed (*RC*) - *ERRTEXT*

Explanation: The Dismount of volume *VVVVVV* from VIRTUAL drive *DDDDDD* failed. The reason for the failure is defined in the *ERRTEXT* portion of the message. *RC* is the return code from HSC/VTCS.

Explanations, System Actions and User Responses for the various Reason texts are detailed below. The context in which the message is issued should always be determined, as the text for a given Reason describes the most likely case and may not match the specific case in which it was output.

VTV *VVV*222 IS STILL MOUNTED

Explanation: Volume *VVVVVV* was being Dismounted from device *DDDDDD*. VTCS determined that VTV *vvv*222 is still Mounted on the device.

System Action: The Dismount fails.

User Response: For each of *VVVVVV* and *vvv*222 (if different), determine the status of the VTV. If it is Mounted but should not be, attempt to Unload/Dismount it using the MSP Unload command and the HSC Dismount command.

If the reason for the failure is not understood, contact StorageTek Software Support.

INTERNAL ERROR OCCURRED RC=*RRRRRRRR*

Explanation: EXPLANATION: Volume *VVVVVV* was being Dismounted from device *DDDDDD*. VTCS suffered an internal error (Return Code X'*RRRRRRRR*') whilst processing the Dismount.

System Action: The Dismount fails.

User Response: Determine the status of the VTV. If it is Mounted but should not be, attempt to Unload/Dismount it using the MSP Unload command and the HSC Dismount command.

Contact StorageTek Software Support.

```
INACCESSIBLE/BAD VTSS XXXXXXXX REFERENCED
```

Explanation: Volume *VVVVVV* was being Dismounted from device *DDDDDD*. VTCS could not process the Dismount due to the state of VTSS *XXXXXXXX*, which could not be accessed by this Host or was not Online to this Host.

System Action: The Dismount fails.

User Response: Check VTSS *XXXXXXXX* can be accessed by, and is Online to, this Host. Determine the status of the VTV. If it is Mounted but should not be, attempt to Unload/Dismount it using the MSP Unload command and the HSC Dismount command.

If the reason for the failure is not understood, contact StorageTek Software Support.

```
NO ACCESS TO VTSS XXXXXXXX TO VERIFY VTV LOCATION
```

Explanation: Volume *VVVVVV* was being Dismounted from device *DDDDDD*. VTCS could not process the Dismount due to the state of VTSS *XXXXXXXX*, which could not be accessed by this Host or was not Online to this Host.

System Action: The Dismount fails.

User Response: Check that VTSS *XXXXXXXX* can be accessed by, and is Online to, this Host.

When VTSS *XXXXXXXX* is next Online, determine the status of the VTV. If it is Mounted but should not be, attempt to Unload/Dismount it using the MSP Unload command and the HSC Dismount command.

If the reason for the failure is not understood, contact StorageTek Software Support.

```
VTSS XXXXXXXX IS CURRENTLY OFFLINE
```

Explanation: Volume *VVVVVV* was being Dismounted from device *DDDDDD* in VTSS *XXXXXXXX*. VTCS was unable to process the Dismount because VTSS *XXXXXXXX* was Offline.

System Action: The Dismount fails.

User Response: Check the status of VTSS *XXXXXXXX*. If it should be Online but is not, issue VT VARY VTSS(*XXXXXXXX*) ONLINE.

When VTSS *XXXXXXXX* is next Online, determine the status of the VTV. If it is Mounted but should not be, attempt to Unload/Dismount it using the MSP Unload command and the HSC Dismount command.

If the reason for the failure is not understood, contact StorageTek Software Support.

```
PROBLEM DECODING VCI REQUEST
```

Explanation: Volume *VVVVVV* was being Dismounted from device *DDDD*. An internal error occurred within VTCS while processing the dismount.

System Action: The Dismount fails.

User Response: Contact StorageTek software support.

```
VTV IS IMPORT BLOCKED
```

Explanation: VTV *VVVVVV* is not accessible as it is still pending completion of an IMPORT request.

System Action: The dismount fails.

User Response: Determine if there was an error condition during IMPORT processing. A possible cause of this would be having LOGPOL=REQUIRED specified, but logging is not active at the time of the IMPORT. This condition can be cleared by first correcting the problem that caused the failure and taking the following steps:

1. Issue a 'Display VTV *vvvvvv*' and note the line:

   ```
   Importing:              nnnn (VTD address)
   ```

2. Issue 'Dismount *vvvvvv* nnnn'

If the reason for the failure is not understood, contact StorageTek Software Support.


```
CDS LOGGING FAILURE - HSC RC=RRRR
```

Explanation: The VTCS configuration specifies LOGPOL=REQUIRED, which indicates that certain updates must be logged before they are applied to the CDS.

Volume *VVVVVV* was successfully dismounted from VTD *DDDD*. VTCS attempted to log the change of status of VTV *VVVVVV*, but this failed with RC=*RRRR*. Message SLS6904E, which is output prior to this message, contains text explaining the meaning of RC=*RRRR*.

System Action: VTCS is unable to update the CDS as the attempt to log the update failed. The CDS will incorrectly show VTV *VVVVVV* as still being mounted on VTD *DDDD*.

User Response: The incorrect mount status shown for VTV *VVVVVV* will clear automatically when the VTV is next mounted and dismounted.

While the VTV is shown as mounted it cannot be migrated, replicated or electronically exported.

To clear the incorrect mount status manually:

1. Issue command 'Display VTV(*vvvvvv*)' and note the line:

   ```
   "Mounted:              dddd" (VTD address).
   ```

2. Issue command 'DISMount *vvvvvv,dddd*'.

SLS5081I

DISMOUNT of *VVVVVV* from drive *DDDDDD* sent to VSM.

Explanation: A dismount request has been submitted to the VSM system for processing.

System Action: HSC processing continues.

User Response: None.

SLS5082I

MOUNT of *VVVVVV* from drive *DDDDDD* sent to VSM

Explanation: A mount request has been submitted to the VSM system for processing.

System Action: HSC processing continues.

User Response: None.

SLS5083I

MOUNT of *VVVVVV* on drive *DDDD* already in progress

Explanation: A mount request has been submitted to the VSM system for processing. However a duplicate request is currently being processed by the VSM. A duplicate request is one specifying an identical virtual device, volser, subpool, and management class.

System Action: HSC processing continues.

User Response: Wait for completion of the original request.

SLS5084I

MOUNT of *VVVVVV* on drive *DDDD* already redriven

Explanation: A mount request has been submitted to the VSM system for processing. However a duplicate redrive request is already waiting for a final response from the VSM. A duplicate redrive request is one specifying an identical virtual device, volser, subpool, and management class.

System Action: HSC processing continues.

User Response: Wait for completion of the original request.

SLS5626I

CCCCCCCC parms installed from data set *DDDDDD*

Explanation: *CCCCCCCC* = parameter being installed (VTMVCDef)

To respond to a VT MVCDef command, HSC has successfully loaded the parameter statements contained in the named data set. The parameters are in use by HSC when this message is issued.

System Action: HSC processing continues.

User Response: None.

SLS5627I

CCCCCCCC parms not installed, reason code *XXXX*

Explanation: To respond to a VT MVCDef command, the HSC did not successfully load the parameter statements contained in the named data set.

- *CCCCCCCC* = type of parameters being installed (VT MVCDef)
- *XXXX* = Hexadecimal reason code:

The following reason codes and definitions indicate why the parameters were not loaded:

- 0008 - A syntax error occurred on at least one statement
- 0009 - An inconsistency was found between two statements
- 000C - An I/O error occurred reading the data set
- 0010 - The HSC was not able to allocate the data set
- 0014 - The HSC was not able to open the data set
- 0018 - Sufficient memory was not available to process the data set
- 001C - Excessive number of errors (50)

In each case, this message will be preceded by message SLS5628I or SLS0002I giving details of the error(s) encountered.

System Action: HSC processing continues.

User Response: Correct the problem with the parameter data set, and retry the command.

SLS5628I

CCCCCCCC: record *DDDDDDDD ... EEEE*

Explanation: While processing a VT MVCDef command or control statement, HSC has encountered an error.

- *CCCCCCCC* = type of command or control statement (VT MVCDef)
- *DDDDDDDD* = decimal number of the record within the file
- *EEEE* = System-generated number used for identifying the following line of this multiple-line message

The record number identifies the statement in error. A record number of zero (0) indicates a problem with the data set or an error involving more than one record.

This message is a two line message; the second line indicates the type of error. Second-line text is one of the following:

- Error allocating data set; Code *XXXX-XXXX*
  XXXX-XXXX = DYNALLOC error and reason codes
- Error opening data set; completion code *XXX-XX*
  XXX-XX= OPEN completion code and reason code
- Statement is too long
- Comment unclosed at end of file
- I/O error reading data set: *CCCCCCCC*
  CCCCCCCC = SYNADAF produced error message
- Unrecognized statement
- Parameter unsupported on JES3
- Insufficient memory
- File processing terminated due to excessive number of errors
- Error on *CCCCCCCC* {parameter|list|range}: *TTTTTTTT*
    - *CCCCCCCC* = which parameter, list or range is in error
    - *TTTTTTTT* error text (listed below)
- Error near column *NNN: TTTTTTTT*
    - *NNN* = column number where error was detected
    - *TTTTTTTT* error text (listed below)

Possible error text for the last two second line messages includes:

- Unknown keyword
- Required value not found
- Value supplied when none allowed
- Mutually exclusive parameters found
- Positional error
- Syntax error
- Invalid value
- Mandatory parameter missing
- Corequisite parameter missing
- Invalid length of value
- DD3D invalid as MEDIA value

See message SLS1973I for a description of any text not listed here.

System Action: The HSC continues to process the data set unless the record number displayed is zero, or unless there have been 50 errors encountered in the file. For those two cases, processing of the data set is terminated.

User Response: Correct the problem with the parameter data set, and re-issue the command.

SLS5629I

CCCCCCCC:DDDDDD does not contain any STMTS to process

Explanation: In response to a VT MVCDef command, HSC has not found any statements of the appropriate type in the named data set. The appropriate statements by command are MVCPool.

CCCCCCCC	type of parameters being installed (VT MVCDef)
DDDDDD	data set name

System Action: HSC processing continues.

User Response: Correct the problem with the parameter data set and retry the command.

SLS5630I

CCCCCCCC parameters are not loaded

Explanation: In response to a VT MVCDef command, HSC has found that no parameters of that type have been loaded. *CCCCCCCC* is the type of parameters being installed (VT MVCDef).

System Action: HSC processing continues.

User Response: See previous messages to determine the errors that prevent the parameters from being loaded.

SLS5631I

CCCCCCCC parameter status:

Explanation: In response to a VT MVCDef command, HSC displays information about the requested parameters. *CCCCCCCC* is the type of parameters being installed (VT MVCDef). This message is the first of a three or four line display. The other lines displayed are:

- LOADED FROM *DDDDDD* Displays the data set (including member name, if appropriate) from which the parameters were loaded.
- TITLE: *CCCCCCCC* Displays the title (from an OPTIONS statement) which was in the data set from which the parameters were loaded. If the parameters did not contain a TITLE, this line of the display is omitted.
- LOADED ON *YYYY-MM-DD* AT *HH:MM:SS* Displays the date and time the parameters were loaded by HSC.

System Action: HSC processing continues.

User Response: None.

SLS5632I

```
VTCS {SMF|LOGREC} write failed - RC = RRRR
```

Explanation: A SMF or LOGREC write for the VTCS system failed with a *RRRR* return code. For SMF, this is the return code from the SMFEWTM macro. For LOGREC, this is the return code from SVC 76.

System Action: HSC processing continues.

User Response: Consult IBM documentation to determine the cause of the failure.

SLS5633I

```
VTCS CCCCCCCC failed - RRRRRRRR
```

Explanation: A request from VSM to perform the function *CCCCCCCC* (FileGet/FileSet) failed. *RRRRRRRR* describes the reason for the failure.

System Action: HSC processing continues.

User Response: Correct the reason for the failure.

SLS5634I

```
VTCS CCCCCCCC failed - LRECL greater than 80/84
```

Explanation: A request from VSM to perform the function *CCCCCCCC* (FileGet/FileSet) failed. The data set being read or written has an LRECL greater than that which is allowed for the type of file. The maximums allowed are 80 for fixed length files and 84 for variable length files.

System Action: HSC processing continues.

User Response: Correct the reason for the failure. The maximums allowed are 80 for fixed length files and 84 for variable length files.

SLS5650I

```
VTCS communications interface initialization started
```

Explanation: The Communication Interface to VTCS is starting.

System Action: HSC processing continues.

User Response: None.

SLS5651I

```
VTCS communications interface initialization failed
```

Explanation: The Communication Interface to VTCS failed to start.

System Action: HSC processing continues.

User Response: Determine the cause of the failure. Previous messages contain the reason for the VTCS Communication Interface Initialization failure.

SLS5660I

```
VCI server controller attach error
```

Explanation: The VTCS Communication Interface Server Controller failed to start due to an attach error.

System Action: HSC processing continues.

User Response: Determine the cause of the failure. Previous messages contain the reason for the VCI Server Controller attach error.

SLS5661I

VCI client controller attach error

Explanation: The VTCS Communication Interface Client Controller failed to start due to an attach error.

System Action: HSC processing continues.

User Response: Determine the cause of the failure. Previous messages contain the reason for the VCI Client Controller attach error.

SLS5662I

VCI monitor restarted

Explanation: The VTCS Communication Interface Monitor task has restarted.

System Action: HSC processing continues.

User Response: None.

SLS5663I

Shutdown HSC VCI client

Explanation: The HSC VTCS Communication Interface Client task is being shutdown in response to a HSC shutdown.

System Action: HSC processing continues.

User Response: None.

SLS5664I

Shutdown HSC VCI server and connected clients

Explanation: The HSC VTCS Communication Interface Server task is being shutdown in response to a HSC shutdown. All connected clients are notified of the shutdown.

System Action: HSC processing continues.

User Response: None.

SLS5665I

VCI shutdown complete

Explanation: The VTCS Communication Interface has terminated.

System Action: HSC processing continues.

User Response: None.

SLS5670I

HSC VCI server controller started

Explanation: The VTCS Communication Interface Server Controller has started. The VCI Server controller is ready to service requests from clients.

System Action: HSC processing continues.

User Response: None.

SLS5671I

    HSC VCI server controller restarted

Explanation: The VTCS Communication Interface Server Controller has restarted. The VCI Server controller is ready to service requests from clients.

System Action: HSC processing continues.

User Response: None.

SLS5672I

    Client socket - *NNNNNNNN* connected

Explanation: A VSM client has connected to the HSC VCI Server. This client is assigned socket number *NNNNNNNN*.

System Action: HSC processing continues.

User Response: None.

SLS5673I

    HSC VCI client controller started

Explanation: The HSC VTCS Communication Interface Client Controller has started. HSC is ready to issue requests to the VSM system.

System Action: HSC processing continues.

User Response: None.

SLS5674I

    HSC client socket - *NNNNNNNN* connected

Explanation: A HSC client has connected to the VSM Server. This HSC client is assigned socket number *NNNNNNNN*.

System Action: HSC processing continues.

User Response: None.

SLS5675I

    Client socket - *NNNNNNNN* I/O task restarted

Explanation: The I/O task for client socket *NNNNNNNN* has restarted.

System Action: HSC processing continues.

User Response: None.

SLS5676I

    Client socket - *NNNNNNNN* receive task restarted

Explanation: The Receive task for client socket NNNNNNNN has restarted.

System Action: HSC processing continues.

User Response: None.

SLS5677I

```
Invalid packet received for socket - NNNNNNNN
```

Explanation: An invalid packet was received on client socket *NNNNNNNN*. The socket will be shutdown.

System Action: HSC processing continues.

User Response: None.

SLS5678I

```
Cannot QUIM server request handler, error - CCCCCCCC
```

Explanation: The VCI Server Request Handler could not be started. A *CCCCCCCC* return code was received from the QUIM function.

System Action: HSC processing continues.

User Response: None.

SLS5679I

```
HSC server socket is active
```

Explanation: The HSC Server Socket is active. The HSC Server is ready to accept VCI requests from VSM clients.

System Action: HSC processing continues.

User Response: None.

SLS5680I

```
SSSS error - VVVVVVVV CCCCCCCC EEEEEEEE on socket - NNNNNNNNNN
```

Explanation: An error occurred in socket function SSSS. The error is described with the *VVVVVVVVV CCCCCCCC EEEEEEEE* values displayed.

System Action: HSC processing continues.

User Response: None.

SLS5681I

```
HSC client request driver restarted
```

Explanation: The Request Driver for the HSC Client has restarted.

System Action: HSC processing continues.

User Response: None.

SLS5682I

```
Client user request block not found for SEQNO NNNNNNNN
```

Explanation: The Client User Request Block was not found to handle the response with *NNNNNNNN* sequence number.

System Action: HSC processing continues.

User Response: None.

SLS5683I

```
Client receive task attach failed
```

Explanation: The Client Receive task failed to attach.

System Action: HSC processing continues.

User Response: Determine the cause of the attach failure. Previous messages will identify the cause of the failure.

SLS5684I

```
Socket - NNNNNNNN is disconnected
```

Explanation: Socket *NNNNNNNN* has disconnected. All activity on this socket is terminated.

System Action: HSC processing continues.

User Response: None.

SLS5685I

```
Server socket is disconnected
```

Explanation: The socket for the HSC VCI Server is disconnect. All activity on this socket is terminated.

System Action: HSC processing continues.

User Response: None.

SLS5689I

```
Invalid hostname specified for HHHH
```

Explanation: The HSC system is attempting to connect with the VSM Release 1 system. The *VSMHNAME* parameter is missing or the hostname *HHHH* is invalid.

System Action: The HSC continues. No connection is made to the VSM Release 1 system.

User Response: Correct the *VSMHNAME* if connection to the VSM Release 1 system is required.

SLS5690I

```
HSC/VTCS connect complete - Ready to process requests
```

Explanation: The HSC/VTCS connection is complete. The HSC/VTCS system is ready to process requests.

System Action: HSC processing continues.

User Response: None.

SLS6001I

```
Vary online request cancelled by subsequent vary offline for
ACS AA
```

Explanation: While executing a request to vary a station or ACS online, the ACS was varied offline by another request.

System Action: The vary online request is not executed.

User Response: If the ACS or station is to be varied online, reissue the request.

SLS6002I

  No stations defined for ACS *AA*

Explanation: A vary online request was issued for ACS *AA*, but no stations were found for this ACS.

System Action: None. The ACS remains disconnected.

User Response: Execute SET SLISTATN to define stations for the ACS. Then reissue the Vary ACS command.

SLS6003I

  Vary station not allowed for network attached ACS *AA*

Explanation: Network connections were defined for ACS *AA* via an LMUPATH parameter; therefore; the vary station command is not applicable.

System Action: :The command is not processed.

User Response: HSC automatically retries the network TCP/IP socket communication to the LMU for 30 minutes. Verify TCP/IP and LMUs are operational.

SLS6004I

  ACS *AA* forced offline due to configuration mismatch for
  station *C...C*

Explanation: In attempting to establish an LMU connection via station *C...C*, a mismatch was detected between the CDS and the LMU configuration definition. A previously issued message explains where the mismatch occurred.

System Action: All stations for this ACS are forced offline.

User Response: Check for previous messages and determine why the configuration does not match. If the problem persists, contact StorageTek Software Support.

SLS6005I

  Network attach function *CCCCCCCC* failed for station *C...C* with
  errno *NNNN*

Explanation: The network attach function *CCCCCCCC* failed.

System Action: The HSC begins network recovery for this station.

User Response: Refer to IBM *TCP/IP for MSP Application Programming Interface Guide* to determine the cause of the failure and take the appropriate action to correct the error. Once corrected, the next iteration for network connectivity to this station will reestablish communication to the LMU.

SLS6006I

  Network attachment failed for station *C...C* because function
  CCCCCCCC could not be loaded.

Explanation: TCP/IP API load module cannot be loaded.

System Action: The station is varied offline.

User Response: Ensure TCP/IP is installed, configured and running properly on this host. When the problem is corrected recycle the HSC started task.

SLS6007I

TCP/IP failure for station *C...C* detected

Explanation: Asynchronous select function failure.

System Action: The HSC begins network recovery for this station.

User Response: Ensure TCP/IP is installed, configured and running properly for this host. Verify the LMUs are operational. Once network problem is resolved, the next iteration for network connectivity to this station will reestablish communication to the LMU.

SLS6008I

Network attach function *CCCCCCCC* failed because station *C...C* is no longer connected

Explanation: The socket connection to the LMU has been lost.

System Action: The HSC begins network recovery for this station.

User Response: Ensure TCP/IP is installed, configured and running properly on this host. Verify the LMUs are operational. Once network problem is resolved, the next iteration for network connectivity to this station will reestablish communication to the LMU.

SLS6009I

No stations were found offline for ACS *AA*

Explanation: A Vary ACS ONline was issued for ACS *AA*, but there were no stations marked as offline.

System Action: None.

User Response: None.

SLS6010I

ACS, STation, or station addresses required for Vary command

Explanation: An attempt was made to enter a Vary request, but neither the ACS or STation keyword or a list of device numbers was specified.

System Action: The command is rejected.

User Response: Re-enter the command specifying either ACS, or STation, or list of device numbers.

SLS6011I

VARY {ACS *AA*|STation *C...C*} OFFline not allowed; CAP is reserved to this host

Explanation: An attempt was made to Vary the ACS OFFline, either by specifying the ACSid or the device address of the last STation. The system has detected that a CAP within the ACS is reserved to this host.

System Action: The command is rejected.

User Response: Issue the command Display CAP *AA* to display the status of all CAPs in the ACS. Terminate the CAP activity for the active CAP and reissue the command.

SLS6012E

ACS *nn*: Recovery of network connection to station *C...C* is now active

Explanation: The HSC TCP/IP interface has detected an error or timeout condition with station *C...C*. Network recovery begins.

System Action: The HSC will continue trying to reestablish the connection between its socket and the remote station socket every 10 seconds for a total of 30 minutes.

User Response: In a dual LMU environment, a switch to the standby station can be done if other host processing is not greatly impacted. Otherwise, diagnose and correct the network problem with the LMU or host. Once corrected, the next iteration for network connectivity will reestablish communication to the LMU.

SLS6013I

ACS *nn*: Recovery of network connection to station *C...C* successful

Explanation: The HSC has successfully recovered network connectivity to station *C...C*.

System Action: The HSC will redrive LMU requests that have accumulated during recovery.

User Response: None.

SLS6014E

ACS *nn*: Unable to reestablish network connection to station *C...C*

Explanation: The recovery process to reestablish network connectivity to station *C...C* has timed out.

System Action: HSC discontinues further connection attempts to the station. The station is considered in error. In a single LMU environment, the ACS is marked offline. In a dual LMU environment, the ACS is marked offline when network recovery has timed out on both stations.

User Response: In a single LMU environment, the ACS can be varied online after the network problem is corrected. In a dual LMU environment, the ACS can be varied online after recovery attempts for both stations have timed out. Note, in both instances all outstanding LMU requests are purged.

SLS6015I

VARY ACS *AA* ONLINE/OFFLINE failed because the ACS is unallocated

Explanation: The HSC has determined that this ACS is UNALLOCATED.

System Action: None, the ACS remains in OFFLINE status.

User Response: If the ACS identifier was entered incorrectly, re-issue the command specifying the correct ACS identifier.

SLS6016D

```
TCP/IP is not available. LMUPATH HOST NAME CCCCCCCC is
unresolvable. Reply I to IGNORE
```

Explanation: HSC has attempted to resolve HOST NAME *CCCCCCCC* specified on a LMUPATH statement. TCP/IP is not available and *CCCCCCCC* is unresolvable.

System Action: HSC will attempt to resolve HOST NAME *CCCCCCCC* every 10 seconds until it is successful or a reply of I is given to SLS6016D.

User Response: Initialize TCP/IP or reply I to message SLS6016D. If a reply of I is given then HSC will continue to initialize. Once TCP/IP is available the LMUPDEF command will need to be re-issued and then the ACS will have to be varied ONLINE.

SLS6019E

```
HSC version incompatible with DR test
```

Explanation: An attempt to start the HSC failed because its version or release level conflicts with the DR test environment. The CDS indicates there is either an active DR test or the CDS is the DR test CDS.

System Action: HSC initialization terminates.

User Response: Only HSC 5.0 and above systems can participate in a DR test. Either terminate the DR test or start an HSC/HSC on this host at 5.0 or above.

SLS6020I

```
ASCOMM failure for DRTEST {START|STOP}, RC=XXXXXXXX
```

Explanation: A DRTEST request was sent to the HSC via the Address Space Communications Service (ASCOMM), but that component failed with a return code of *XXXXXXXX*.

System Action: The DRTEST request fails.

User Response: Look up the ASCOMM return code in the appropriate ELS guide to try to determine the cause for the failure. If unable to remedy the error, contact StorageTek Software Support.

SLS6021I

```
DRTEST {START│STOP} error: CCCC...CCCC :
```

Explanation: A DRTEST request was sent to the HSC but an error condition was detected that prevented the request from being performed. *CCCC...CCCC* details the reason for the error and is one of the following:

- Unrecognized DR test request
- DR test environment not established (execute SLUADMIN Utility)
- DR test request not permitted (or required) from DR test site
- DR test already active
- DR test not active
- DR test request requires VTCS to be active
- Non-spare DR test VTSS not offline
- CAP(s) in the DR test ACS found active
- CAP(s) in the DR test ACS in automatic mode
- Not all hosts adapted the DR test state

System Action: The DRTEST request fails.

User Response: The explanations above are fairly self-explanatory. You must run the SLUADMIN DRTEST function to prepare the production CDS before a DR test START or STOP request can be issued. All CAPs in the DR test ACS must be idle and in manual mode during a DR test. VTCS must be up and the DR test VTSS(s) varied offline to the production site.

SLS6022I

```
DRTEST {START│STOP} successful
```

Explanation: A DRTEST START or STOP request was sent to the HSC and completed successfully.

System Action: The HSC continues processing. If a DR test was started, some operational restrictions are now in effect such as: CAPs in the DR test ACS must remain in manual mode, certain Moves, Enters or Ejects, Audits, Scratch Updates or Redistributions, Varying ACSs or Stations Online, or setting FLOAT(ON) or EJCTAUTO(ON) may be rejected. If a DR test was stopped, normal production operation without the above operational restrictions continues.

User Response: None.

SLS6023I

```
Cannot set {FLOAT(ON)│EJCTAUTO(ON)} for ACS XX, DR test active
```

Explanation: A MNTD command or control statement specified setting FLOAT(ON) or EJCTAUTO(ON) but this could not be performed for ACS *XX* because it conflicts with an active DR test.

System Action: The HSC continues processing. The requested MNTD option cannot be set until the DR test is terminated.

User Response: Wait until the DR test is terminated before attempting to set the MNTD option on a production site HSC. The requested MNTD option can never be set from a DR test site HSC.

SLS6024I

```
{CAPPREF AUTO|ENTER|EJECT|MOVE|SCREDIST|VARY ONLINE} rejected
for {CAP XX:XX:XX|ACS XX|STATION XXXX}, DR test active
```

Explanation: A CAPPREF, ENTER, EJECT, MOVE or VARY command, or a EJECT, MOVE, or SCREDIST utility function was requested but could not be performed because it conflicts with an active DR test. The CAP, ACS, or STATION where the function was not permitted is identified.

System Action: The HSC continues processing. The requested function cannot be performed until the DR test is terminated.

User Response: Wait until the DR test is terminated before attempting to perform the requested function on a production site HSC. The requested function can never be performed from a DR test site HSC.

SLS6025I

```
{AUDIT|EJECT|MOVE|SCRATCH UPDATE|SCRATCH REDISTRIBUTION}
Utility not permitted, DR test active
```

Explanation: A HSC SLUADMIN Audit, Eject, Move, Scratch Update, or Scratch Redistribution utility function was requested but could not be performed because it conflicts with an active DR test.

System Action: The utility function terminates.

User Response: Wait until the DR test is terminated before attempting to execute the SLUADMIN utility function on a production site HSC. The utility function can never be performed from a DR test site HSC.

SLS6026I

```
DR test {started|not started|stopped|not stopped}
{successfully| unsuccessfully} on {host CCCCCCCC|all hosts}
```

Explanation: A DRTEST request was sent to an active HSC system. This message tells of the success or failure to set the DR test state on a particular host (*CCCCCCCC*) or for all hosts (from the controlling HSC).

System Action: The HSC continues processing.

User Response: If the message indicates the DR test was started or stopped successfully on all hosts, then continue with the DR test as desired. If the DR test state is not started or stopped successfully on a particular host, then investigate the cause on that host, possibly recycle the HSC there. If you are unable to remedy the problem, contact StorageTek Software Support.

SLS6027I

```
ENTER rejected; TLSM ACS AA does not equal CAP ACS AA
```

Explanation: An attempt to process an ENter command was rejected because the LSMid specified by the TLSM parameter resides in a different ACS than the CAP.

System Action: The command is rejected.

User Response: Re-enter the command specifying a CAPid and a TLSM LSMid in the same ACS.

SLS6028I

```
No scratch volumes meet eject criteria in ACS AA
```

Explanation: An EJect command was issued specifying the SCRTCH parameter. A CAP was requested from ACS *AA* or no CAP identifier was specified and the command defaulted to ACS 00. ACS *AA* did not contain any scratch volumes as requested by the parameters of the EJect command.

System Action: The EJect command continues.

User Response: Re-enter the EJect command specifying scratch volume criteria for scratch volumes contained in ACS *AA*.

SLS6029I

```
RELEASE AA:LL:CC rejected; host CCCCCCCC is active
```

Explanation: The RELease command was issued for the specified host, but the host was identified as active.

System Action: :The CAP is not released.

User Response: Physically verify that the host in question is inactive.

If the host is active, issue the RELease command on the specified host.

If and only if the host is inactive, issue the RECover host command with the FORCE option. Then re-issue the RELease command specifying the host operand.

Caution – Use the FORCE operand with great care. Make sure the specified host is inactive before issuing the RECover command with this operand.

Forced recovery of an active host requires that the HSC on that host be recycled. If the host was active at the time of the RECover host command execution, unexpected abends may occur during tape activity or when the HSC on the host is recycled.

SLS6030E

```
Cannot create new {CDS|JOURNAL} DDNAME CCCC...CCCC1; CCCCCCCC2
```

Explanation: An attempt to create a DR test data set, *CCCC...CCCC1*, with the SLUADMIN utility has failed because the data set is either unknown or unsuitable for use as a CDS copy or journal data set. *CCCCCCCC2* is one of the following reasons:

- Invalid BLKSIZE (the BLKSIZE must be 4096)
- Invalid DSORG (the DSORG must be PS)
- More than one extent
- Invalid UCB type (the data set must reside on a DASD)
- Could not obtain VTOC info

System Action: The SLUADMIN utility terminates.

User Response: When attempting to create the DR test data set, make sure that the data set was specified correctly on the SWUNEWx or SLSJRNXX DD statement. If the reason was "Could not obtain VTOC info", then it is likely that the DSN= parameter (or VOL=SER= parameter for uncataloged data sets) was either missing or incorrectly specified. For all other reasons, if the DSN= parameter specified the correct data set, then the data set is unsuitable for use as a CDS copy or journal data set; reallocate a new data set with the proper attributes and re-execute the SLUADMIN utility.

SLS6031E

```
New CDS CCCC...CCCC is of insufficient size; capacity is DDD1
blocks, required capacity is DDD2 blocks
```

Explanation: An attempt to create a DR test CDS data set, *CCCC...CCCC*, with the SLUADMIN utility has failed because the data set is not big enough. It can contain only *DDD1* 4096-byte blocks but the DR test CDS requires at least *DDD2* blocks.

System Action: The SLUADMIN utility terminates.

User Response: Reallocate a larger new CDS data set and re-execute the SLUADMIN utility.

SLS6032E

```
BSAM OPEN failed for new CDS CCCC...CCCC
```

Explanation: An attempt to create a DR test CDS data set, *CCCC...CCCC*, with the SWUADMIN utility has failed during its initialization process. A BSAM Open operation failed.

System Action: The SWUADMIN utility terminates.

User Response: Look for other error messages from BSAM that might help isolate the error. If the error cannot be resolved, contact StorageTek Software Support.

SLS6033E

```
BSAM WRITE failed for new CDS CCCC...CCCC, block DDDD
```

Explanation: An attempt to create a DR test CDS data set, *CCCC...CCCC*, with the SWUADMIN utility has failed during its initialization process. A BSAM Write operation failed writing block number DDDD.

System Action: The SWUADMIN utility terminates.

User Response: Look for other error messages from BSAM that might help isolate the error. If it is a permanent I/O error, delete and reallocate a new CDS data set and re-execute the SWUADMIN utility. If the error cannot be resolved, contact StorageTek Software Support.

SLS6034E

```
Copy of CDS CCCC...CCC1 to CDS CCCC...CCC2 failed UBSMIO RC=
XXXX
```

Explanation: An attempt to copy a DR test CDS data set, *CCCC...CCC1*, to a CDS copy, *CCCC...CCC2* by the SLUADMIN utility has failed in the UBSMIO subroutine with a return code *XXXX*.

System Action: The SLUADMIN utility terminates.

User Response: Look for other error messages from BSAM that might help isolate the error. If it is a permanent I/O error, delete and reallocate a CDS copy and re-execute the SLUADMIN utility. If the error cannot be resolved, contact StorageTek Software Support.

SLS6035E

```
Nonzero return code from UDB macro; function is CCCCCCCC,
RC=XXXX
```

Explanation: A UDB macro was issued for a *CCCCCCCC* function against the CDS and received a non zero return code *XXXX*.

System Action: The DRTEST function terminates with a RC=8.

User Response: Message SLS6035E is preceded by another message giving a more detailed explanation of the error condition. If the error cannot be resolved, contact StorageTek Software Support.

SLS6036E

```
RESET not allowed: CCCC....CCCC
```

Explanation: An attempt to RESET the CDRT flags in a CDS via the SLUADMIN utility was disallowed. *CCCC....CCCC* details the reason for the error and is one of the following:

■ Cannot reset DR test CDS

■ DR test is active

System Action: The SLUADMIN utility terminates.

User Response: RESET is used to remove all CDRT flags in a production CDS set by a previous execution of the SLUADMIN utility. It is not used against a DR test CDS. RESET cannot be performed if a DR test is active. Wait until the DR test is terminated before attempting to RESET the production CDS.

SLS6037I

Journal *CCCC...CCCC1* formatted

Explanation: The SLUADMIN utility has formatted a DR test Journal data set, *CCCC...CCCC1*.

System Action: The SLUADMIN utility continues.

User Response: None.

SLS6038E

Insufficient number of SLSJRNxx DD statements for number of DR Host IDs

Explanation: An attempt to create the required DR test Journal data sets with the SLUADMIN utility has failed because there were an insufficient number of SLSJRNxx DD statements for the SLUADMIN utility job.

System Action: The SLUADMIN utility terminates.

User Response: There needs to be two Journal data sets per DR host defined in the SLUADMIN jobstep. These should be SWUJRN00 and SWUJRN01 for the first host id, SWUJRN02 and SWUJRN03 for the second host id, etc. Allocate the proper number of Journal data sets, specify the correct SWUJRNxx DD statements, and re-execute the SLUADMIN utility.

SLS6039E

CAP *AA:LL:CC* not in MANUAL mode or not IDLE

Explanation: An attempt to create the DR test environment with the SLUADMIN utility has failed because of the CAP status in the production HSC environment.

System Action: The SLUADMIN utility terminates.

User Response: All CAPs in the DR test ACS must be in Manual mode and idle. Issue a DISPLAY CAP command from an active HSC system. If a CAP in the DR test ACS is active, stop the Enter or Eject operation from the controlling HSC. If a CAP in the DR test ACS is in Automatic mode, use the CAPPREF command to set the CAP to manual mode. Then re-execute the SLUADMIN utility.

SLS6040I

RELEASE *AA:LL:CC* rejected; CAP is active on host *CCCCCCCC*

Explanation: The RELease command was issued for CAP *AA:LL:CC*, but the CAP is active on host *CCCCCCCC*.

System Action: The CAP is not released.

User Response: Physically verify that the host in question is active.

- If the host is active, issue the RELease command on the specified host.
- If the host is inactive, re-issue the RELease command specifying the host operand.

SLS6041E

```
Addition of HOSTID will exceed HSC maximum of 16
```

Explanation: An attempt to create the DR test environment has failed because of the number of host ids specified on the HOSTID parameter of the DRTEST control statement plus the number of hosts already defined in the CDS exceeds the maximum of 16.

System Action: The DRTEST function terminates with a return code of 8.

User Response: If possible, reduce the number of HOSTIDs specified for the DR test environment. If the number of hosts in the production HSC environment is already at the maximum of 16, consider using the ELS client/server feature to reduce the number of HSC hosts needed and then re-generate the CDS with fewer host ids and re-execute the DRTEST function.

SLS6042E

```
{HOSTID CCCCCCCC|DRACS AA|DRVTSS CCCCCCCC|STORMNGR CCCCCCCC}not
found in Data Base
```

Explanation: An attempt to create the DR test environment with the SLUADMIN utility has failed because one of the following, specified on the DRTEST control statement did not exist in the current CDS:

- The host id, *CCCCCCCC*, specified on the HOSTID parameter
- The ACS id, *AA*, specified on the DRACS parameter
- The VTSS name, *CCCCCCCC*, specified on the DRVTSS parameter
- The storage manager name, *CCCCCCCC*, specified on the STORMNGR parameter

System Action: The SLUADMIN utility terminates.

User Response: All HOSTID host ids must exist in the current production HSC/VTCS CDS. If the HOSTID host id was incorrectly specified, correct the specification and re-execute the SLUADMIN utility. If the HOSTID host id does not exist in the production CDS, add it with the HSC SLUADMIN SLUSET utility function. Similarly, the ACS ID, VTSS names and storage manager id must exist in the production HSC CDS. If either of these were incorrectly specified, correct the error. Then re-execute the SLUADMIN utility.

SLS6043I

```
Cannot create DRTEST CDS; DR test is active
```

Explanation: An attempt to create the DR test environment with the SLUADMIN utility has failed because the utility has detected an active DR test.

System Action: The SLUADMIN utility terminates.

User Response: Stop the current DR test; issue the DRTEST STOP command and re-execute the SLUADMIN utility.

SLS6044I

DRTEST START/STOP parameter requires HSC to be active on this
system

Explanation: An attempt to start or stop the DR test with the SLUADMIN utility has
failed because the HSC is currently not active on this system.

System Action: The SLUADMIN utility terminates without starting or stopping the
DR test.

User Response: The HSC (and VTCS) must be active on the system where the
DRTEST START or STOP is issued. When the HSC is active, consider using the HSC
DRTEST command to start of stop the DR test. If you desire to create the DR test
environment and start the DR test in one operation from the SLUADMIN utility,
then assure that the HSC and VTCS are both fully initialized on the system and re-
execute the SLUADMIN utility.

SLS6045I

RELEASE *AA*:*LL*:*CC* cancelled

Explanation: A RELease command was executing when a DRAIN command or a
second RELease command began CAP recovery for the same CAP.

System Action: The RELease command is cancelled.

User Response: None.

SLS6046E

```
{ACS AA|VTSS CCCCCCCC|STORMNGR CCCCCCCC} status
{ON|OFF|SPARE|NOT SPARE} does not match DRTEST CREATE input
```

Explanation: An attempt to create the DR test environment failed because the DRTEST PRIMEPRD or DRTEST CREATE function was previously run, and the current DRTEST CREATE configuration does not match the production CDS. Either:

- The ACS ID on the production CDS is set to DRTEST ON but the ACS ID is not in the current DRTEST CREATE.
- The ACS ID on the production CDS is set to DRTEST OFF but the ACS ID is in the current DRTEST CREATE.
- The VTSS ID on the production CDS is set to DRTEST ON but the VTSS ID is not in the current DRTEST CREATE.
- The VTSS ID on the production CDS is set to DRTEST OFF but the VTSS ID is in the current DRTEST CREATE.
- The VTSS ID on the production CDS is set to DRTEST ON and SPARE, but the DRTEST CREATE does not specify SPARE.
- The VTSS ID on the production CDS is set to DRTEST ON and NOT SPARE, but the DRTEST CREATE specified SPARE.
- The STORMNGR id on the production CDS is set to DRTEST ON but the STORMNGR id is not in the current DRTEST CREATE.
- The STORMNGR id on the production CDS is set to DRTEST OFF but the STORMNGR id is in the current DRTEST CREATE.

System Action: The DRTEST CREATE terminates with a return code of 8.

User Response: Execute either the DRTEST RESET or DRTEST PRIMEPRD function to reset the production CDS DRTEST statuses to match the desired DRTEST configuration. Then, re-execute the DRTEST CREATE function.

SLS6047E

```
NOUPDPRD not allowed; PRIMEPRD function was not executed
```

Explanation: An attempt to create the DR test environment failed because DRTEST CREATE option NOUPDPRD was specified but the PRIMEPRD function was not previously run.

System Action: The DRTEST CREATE terminates with a RC=8.

User Response: Execute either the PRIMEPRD function, or remove the NOUPDPRD parameter.

SLS6049I

```
SLSCNTLx specifications do not match SLSNEWx specifications
```

Explanation: An attempt to create the DR test environment with the SLUADMIN utility has failed because the current HSC CDS configuration does not match that for the supplied SLSNEWx DD statements.

System Action: The SLUADMIN utility terminates.

User Response: The number of CDS copies in the DR test CDS must be the same as the number of copies of the current HSC CDS. If the current HSC CDS has a shadow and standby copy, then SLSNEW1, SLSNEW2, and SLSNEW3 DD statements must be supplied in the SLUADMIN JCL. Determine the number of current CDS copies and supply the proper number of SLSNEWx DD statements and re-execute the SLUADMIN utility.

SLS6050I

`MMMMMMMM macro failure  RC=XXXX, reason code=XXXXXXXX`

Explanation: The SLUCONDB utility program received an error invoking system macro (*MMMMMMMM*). The return code (*XXXX*) is the contents of R15. The reason code (*XXXXXXXX*) is the contents of R0.

System Action: The utility terminates with a return code of 8.

User Response: Determine and correct the problem. (Refer to the appropriate manual for the specified macro.) Then execute the utility again.

SLS6051I

`Insufficient work area length for CCC entries; increase value in program for max entries`

Explanation: The data space work area created by the SLUCONDB utility program is not large enough to accommodate the number of CDS or TMC (*CCC*) records extracted. The data space size must be increased, which is the value in the field DATSPASZ.

System Action: The utility terminates with a return code of 8.

User Response: Increase the data space size value in the field DATSPASZ, then assemble and link the SLUCONDB program, and execute the utility again.

SLS6052I

`No CCC records found to extract`

Explanation: The SLUCONDB utility program attempted to extract CDS or TMC (*CCC*) records, but no records were extracted.

System Action: The utility terminates with a return code of 4.

User Response: Determine if the results are correct, or determine the problem and execute the utility again.

SLS6054E

`VTCS CCCCCC CDS level is incompatible with utility maintenance level.`

Explanation: *CCCCCC* CDS was found to be of a type that is not supported by the current Merge utility. VTCS related Merge, supports extended mode formats for the 'to' and 'from' CDS.

System Action: Merge will not populate the 'to' CDS with VTCS related resources.

User Response: None.

SLS6055I

`Merge unlinking VTV VVVVVV from MVC MMMMMM Maximum supported copies reached.`

Explanation: Merge processing is unlinking a copy of VTV *VVVVVV* from MVC *MMMMMM* during the process of merging the 'to' and 'from' CDS's. Merge has detected that the 'to' CDS does not support the same number of migrated copies of the VTV as the 'from' CDS. Extra copies will be unlinked from their respective MVC's.

System Action: Processing continues with populating the 'to' CDS.

User Response: None.

SLS6056I

```
{SCRATCH UPDATE} not allowed, volume invalid/not defined in
DRTEST subpool
```

Explanation: A Scratch command function was requested in a DR test environment and the volume was not found in a DRTEST subpool. The scratch function was not performed. This message can also appear if the volume serial number (VOLSER) is not defined in the library.

System Action: The volume is not scratched.

User Response: To mark a volume scratch in a DR test environment, the volume must be defined in a subpool using the DRTEST parameter of the POOLPARM utility statement.

SLS6070E

CCCCCCCCCC

Explanation: The CDS Record Analyzer Utility encountered an error condition. *CCCCCCCCCC* can be one of the following:

```
Database initialization failed

{SLSCNTL|SLSCNTL2|SLSSTBY} BSAM OPEN failed

{SLSCNTL|SLSCNTL2|SLSSTBY} BSAM READ failed

CDS subfile read failed for subfile ssss

CDS subfile access failed for subfile ssss

CDS optional subfile access failed for ssss

Basic analysis: errors found

Detailed analysis: errors found

VSM analysis: errors found
```

System Action: The utility might run to completion or might terminate early with a condition code of 4, 8 or 12 depending on the condition encountered.

User Response: See the utility output for other messages that explain the failure in more detail. If necessary, make changes to fix the condition and execute the utility again.

SLS6086I

```
Hostid CCCCCCCC already defined in the CDS
```

Explanation: The Newhost hostid *CCCCCCCC* is a duplicate of an existing hostid in the database.

System Action: The utility terminates processing.

User Response: Select a new hostid and resubmit the utility.

SLS6088I

Cartridge *volser* entered into LSMID *acsid*:*lsmid* on DRTEST
host, audit ACS or eject cartridge after DRTEST

Explanation: The cartridge is entered into a Disaster Recovery (DR) ACS, its volume serial number optically verified, and it is moved to its new location. After completion of the Disaster Recovery test either audit the DR ACS or eject the cartridge at the conclusion of the DRTEST.

System Action: Volume serial number *volser* is entered into the library. Its location is within the specified ACS and LSM.

User Response: Either eject the cartridge or audit the ACS after the DRTEST is complete.

SLS6089E

STORMNGR *CCCCCCCC* not connected to any VTSS in the DRVTSS
parameter.

Explanation: An attempt to create the DR test environment with the SLUADMIN utility has failed because the storage manager id, *CCCCCCCC*, specified in the STORMNGR parameter is not connected to any VTSS specified in the DRVTSS parameter of the DRTEST control statement.

System Action: The SLUADMIN utility terminates.

User Response: Correct the storage manager id specified in the STORMNGR parameter and re-execute the SLUADMIN utility.

SLS6600E

Communications to *TTTTTTTT* is down and affecting *DDDDDDDD*

Explanation: A failure has been detected in communicating with TapePlex *TTTTTTTT*. Because of this, the path or device *DDDDDDDD* is unable to function.

System Action: Regular retries will be performed to detect when communication to the TapePlex comes back online. Up until this time, the path or device will not be used.

User Response: Find out why communication via SMC to the named TapePlex has a problem and correct it.

SLS6601I

RTD path *PPPPPPPP* from *SSSSSSSS* to *DDDDDDDD* available for use

Explanation: The path named *PPPPPPPP* that connects *SSSSSSSS* to *DDDDDDDD* can now service requests. This message is issued either at HSC startup, after the path is varied online or after the path is reset following an error condition.

System Action: HSC processing continues.

User Response: None.

SLS6602I

NNNN DATASET(S) FOUND MATCHING *pattern*.

Explanation: An MSP catalogue lookup found *NNNN* data set names matching the specified pattern *pattern*.

System Action: Processing continues.

User Response: If no data set-names were correct the input and re-run the utility.

SLS6603I

ttt VVVVV information:

Explanation: Shows the results of the following commands:

- Query CLINK
- Query CLUSTER
- Query CONFIG
- Query LOCKs
- Query MIGrate
- Query MVC
- Query MVCPool
- Query PATH
- Query REPLicat
- Query STORMNgr
- Query VSCRatch
- Query TASKs
- Query VTD
- Query VTSS
- Query VTV
- SET MIGOPT

Message SLS6603I shows various VTSS attributes after the SET MIGOPT command has been processed. The following is an example of the output:

```
VTSS HBVTSS16: HAMT = 65 LAMT = 55 MAXMIG = 5 MINMIG = 2
VTSS HBVTSS17: HAMT = 70 LAMT = 60 MAXMIG = 3 MINMIG = 1
```

   VTSS - the name of the VTSS. The following values are for this VTSS.

   HAMT - the high automatic migration threshold.

   LAMT - the low automatic migration threshold.

   MAXMIG - the maximum number of migration tasks.

   MINMIG - the minimum number of migration tasks.

System Action: VTCS processing continues.

User Response: None.

SLS6604E

```
CDS format is not compatible with VTCS V5.0/V5.1
```

Explanation: The CDS can not be processed by VTCS V5.0/V5.1 because the format is unknown or unsupported.

System Action: VTCS processing terminates.

User Response: Check that the CDS format is one of the following:

- Standard format (V4/V5.0.V5.1)
- Extended format (V5.0.V5.1)

If the CDS has been configured correctly, refer the problem to StorageTek Software Support.

SLS6605I

```
Initiating swap of MVC VVVVV from RTD DDDDDD
```

Explanation: A data check was encountered when reading or writing to MVC *VVVVV* upon RTD *DDDDDD*.

System Action: The current action will be attempted once more upon another RTD. If the retry also fails upon a different drive, the MVC will be marked in error and an attempt will be made to use an alternate MVC.

User Response: The reason for the error should be investigated. Check the SYSLOG for other indications as to the nature of the error.

- If the MVC is damaged or suspect, then use the VT MVCDRAIN command to remove any VTVs from the MVC.
- If the problem keeps recurring upon the same RTD, use the VT VARY command to vary the RTD offline and contact StorageTek Hardware Support.

SLS6606I

```
CDS is not configured for VTCS
```

Explanation: The VTCS component is installed and enabled, but no configuration information was found in the CDS.

System Action: HSC processing continues.

User Response: None.

SLS6607I

```
RC XXXX from SORT - MVC detail report not generated
```

Explanation: While attempting a sort during a MVC detail report, the return code *XXXX* was returned from the sort utility.

System Action: The detail part of the report is not produced.

User Response: Check the JOBLOG for further messages that may give further details as to the nature of the problem.

Check that all of the requisite DD statements are present for performing a sort.

SLS6608E

No virtual devices defined for VTSS *XXXXXXXX*

Explanation: There are no valid virtual devices defined for communicating with VTSS *XXXXXXXX*. This could be caused by a hardware error or because the devices in the configuration are not virtual devices upon the correct VTSS.

System Action: Processing continues, but the VTSS will be considered as being in an offline mode. VTVs in VTSS *XXXXXXXX* are still accessible via other VTSSs as long as there is a copy of the VTV upon an accessible MVC. Continued running of the VTSS in offline mode will result in old copies or duplicate copies of VTVs being left within the offline VTSS.

User Response: Review the SYSLOG to see if there is a reason for the virtual device not being found.

Check and review the VTCS configuration. Check and review the MSP and processor configuration. This message will normally be proceeded by SLS6675E messages.

Please refer to SLS6675E for additional user responses. Correct the problem and restart HSC. If the VTSS has been running in offline mode, a VTSS audit should be scheduled to remove any old or duplicate copies of VTVs from the VTSS.

SLS6609I

Configuring VTSS *XXXXXXXX*

Explanation: The server task for VTSS *XXXXXXXX* has found that the VTSS name was not set.

System Action: The VTSS will be configured with the name stored in the CDS.

User Response: None.

SLS6610E

Unable to open DCB for *DDDDDD* DD

Explanation: While running a utility, a failure occurred when attempting to open the data set associated with DD *DDDDDD*.

System Action: The utility function will fail.

User Response: Check the JOBLOG for further messages that may give further details as to the nature of the problem.

Check that all of the requisite DD statements are present for performing the requested utility function.

SLS6611I

NNNNNNNN MVCS contain free space in ACS|MVCPOOL *AA*|*PPPPPPPP*

Explanation: There are *NNNNNNNN* empty MVCs in ACS *AA* or named MVCPOOL *PPPPPPPP*. These are available to receive migrated VTVs within that ACS or named MVCPOOL. This number does not include MVCS that contain VTVs

System Action: If the number of free MVCs drops too low, then automatic space reclaim will be started.

User Response: None.

SLS6613E

NNNNNNNN requests are stalled awaiting offline RTDs

Explanation: The indicated number of requests are held up in the system because all of the candidate RTDs are in an offline or maintenance state.

System Action: HSC processing continues.

User Response: Use the VT DISPLAY QUEUE DETAIL command to find out which requests are held up. Use the VT VARY command to vary online some suitable RTDs.

SLS6614I

Scratch subpool *PPPPPPPP* contains *NNNNNNNN* VTVs

Explanation: The scratch subpool *PPPPPPPP* contains the indicated number of scratch VTVs.

System Action: HSC processing continues.

User Response: None.

SLS6615I

NNNNNNNN MVCs are candidates for space reclaim in ACS|MVCPOOL *AA|PPPPPPPP*

Explanation: The indicated number of MVCs within ACS *AA* or named MVCPOOL *PPPPPPPP* have sufficient deleted space to qualify for space reclaim processing.

System Action: When this figure exceeds the reclaim start threshold, automatic space reclaim will be started.

User Response: None.

SLS6616I

Automatic space reclaim scheduled for ACS|MCPOOL *AA|PPPPPPPP*

Explanation: The number of MVCs eligible for space reclamation within ACS *AA* or named MVCPOOL *PPPPPPPP* has exceeded the start threshold and a space reclaim request has been submitted.

If reclaim is scheduled against an ACS, preference will be given to reclaiming space from eligible MVCs in ACS AA.

Eligible MVCs in other ACSs may also be reclaimed if the maximum number of MVCs that may be reclaimed has not been reached.

If reclaim is scheduled against an MVCPool, only MVCs from that MVCPool may be reclaimed.

System Action: HSC processing continues.

User Response: None.

SLS6617E

VTSS *XXXXXXXX* has no compatible devices for accessing MVC *VVVVVV*

Explanation: A request needs to access the volume *VVVVVV* from the VTSS *XXXXXXXX*. There are no compatible RTDs attached to the VTSS to support access to the volume.

System Action: The request is failed.

User Response: Review the VOLATTR definitions for the MVCs. This condition is most likely to occur in a multi-VTSS environment where there is an inconsistent RTD device mix between the VTSSs. It may be necessary to modify JCL to use a VTSS with a suitable RTD.

SLS6618E

VTSS *XXXXXXXX* has no devices in ACS *AA* for accessing MVC *VVVVVV*

Explanation: A request needs to access the volume *VVVVVV* from the VTSS *XXXXXXXX*. The VTSS has no suitable RTDs in ACS *AA* that support the volume.

System Action: An RTD in another ACS is selected.

User Response: Operator action will be required to remove the volume from its current ACS and place it into the ACS that is finally selected.

This condition is most likely to occur in a multi-VTSS environment where there is limited access between VTSSs and the different ACSs. In order to stop the manual intervention, it may be necessary to modify JCL to use a VTSS with a suitable RTD.

SLS6619E

RTD *CCCCCCCC* has an unrecognized device type of *XXXXXXXX*

Explanation: When initializing RTD *CCCCCCCC*, HSC indicated that it was a *XXXXXXXX* type of device. This is not a suitable device type for an RTD.

System Action: The RTD is regarded as broken and is unusable.

User Response: Review the configuration and restart HSC.

SLS6621E

XXXXXXXX server task termination detected

Explanation: The *XXXXXXXX* server has abnormally terminated for some reason.

System Action: The remainder of the VTCS subsystem will close down.

User Response: Review the SYSLOG to see if there is a reason for the termination. Refer the problem to StorageTek Software Support.

SLS6623I

VCI response=#

Explanation: VTCS has given the indicated response to the listed VCI request (#). VCI is the protocol used internally within VTCS.

System Action: Processing continues.

User Response: Contact StorageTek Software Support, as VCI requests/responses should not be externalized to customers.

SLS6624I

```
Invalid command string length for XXXXXXXX utility
```

Explanation: The parameters to the *XXXXXXXX* utility are either missing or exceed the size of an internal buffer.

System Action: The utility request is ignored.

User Response: Review the parameters to the utility request.

SLS6625E

```
RTD DDDDDD reported RRRRRRRR: XXXXXXXX
```

Explanation: An error has been reported upon RTD *DDDDDD*. The reason for the error is indicated by *RRRRRRRR*. *XXXXXXXX* contains the sense bytes reported back to the VTSS from the RTD.

System Action: If required, an error record will be written to SYS1.LOGREC. Depending upon the nature of the error and the processing at the time, the RTD may be made temporarily unavailable and the request retried upon a different RTD. If possible an alternative MVC may be used.

User Response: The reason for the error should be investigated. If the problem keeps recurring upon the same RTD, use the VT VARY command to vary the RTD offline and contact StorageTek Software Support.

If the problem follows the MVC, then the media is probably damaged in some way. Attempt recovery of the data from the MVC by the use of the VT MVCDRAIN EJECT command.

SLS6626E

```
Failed to VARY OFFLINE RTD DDDDDD on VTSS XXXXXXXX
```

Explanation: The ECAM request to vary offline the shared RTD *DDDDDD* from VTSS *XXXXXXXX* has failed. The switch-over of the device to another VTSS could not be completed.

System Action: Depending upon the nature of the error and the processing at the time, the RTD may be made temporarily unavailable and the request retried upon a different RTD. If possible an alternative MVC may be used.

User Response: The reason for the error should be investigated. Check the SYSLOG for other indications as to the nature of the error.

If the problem keeps recurring upon the same RTD, use the VT VARY command to vary the RTD offline and contact StorageTek Hardware Support.

SLS6627E

```
Failed to VARY ONLINE RTD DDDDDD on VTSS XXXXXXXX
```

Explanation: The ECAM request to vary online the RTD *DDDDDD* to VTSS *XXXXXXXX* has failed. Either the switch over of the device from another subsystem could not be completed or the device could not be varied online for the first time.

System Action: Depending upon the nature of the error and the processing at the time, the RTD may be made temporarily unavailable and the request retried upon a different RTD. If possible an alternative MVC may be used.

User Response: The reason for the error should be investigated. Check the SYSLOG for other indications as to the nature of the error.

Check that the RTD is not online to another system.

If the problem keeps recurring upon the same RTD, use the VT VARY command to vary the RTD offline and contact StorageTek Hardware Support.

SLS6628E

```
RTD DDDDDD on VTSS XXXXXXXX failed to mount MVC VVVVVV
```

Explanation: The ECAM request to mount the MVC *VVVVVV* upon the RTD *DDDDDD* that is attached to VTSS *XXXXXXXX* has failed.

System Action: Depending upon the nature of the error and the processing at the time, the RTD may be made temporarily unavailable and the request retried upon a different RTD. If possible an alternative MVC may be used.

User Response: The reason for the error should be investigated. Check the SYSLOG for other indications as to the nature of the error.

Check that the MVC is resident in the appropriate ACS.

- If the problem keeps recurring upon the same RTD, use the VT VARY command to vary the RTD offline and contact StorageTek Hardware Support.
- If the problem keeps recurring upon the same MVC, check the media for physical damage.

SLS6629E

```
RTD DDDDDDDD on VTSS XXXXXXXX failed to dismount MVC VVVVVV
```

Explanation: The ECAM request to dismount the MVC *VVVVVV* from the RTD *DDDDDDDD* that is attached to VTSS *XXXXXXXX* has failed.

System Action: Depending upon the nature of the error and the processing at the time, the RTD may be made temporarily unavailable and the request retried upon a different RTD. If possible an alternative MVC may be used.

User Response: The reason for the error should be investigated. Check the SYSLOG for other indications as to the nature of the error.

If the problem keeps reoccurring upon the same RTD, use the VT VARY command to vary the RTD offline and contact Sun StorageTek Hardware Support.

If the problem keeps reoccurring upon the same MVC, check the media for physical damage.

SLS6630I

Orphan copy of VTV *VVVVV* in offline VTSS *XXXXXXXX*.

Explanation: An old or duplicate copy of VTV *VVVVV* has been created in VTSS *XXXXXXXX* because the VTSS was running in an offline mode.

System Action: Processing continues.

User Response: When the VTSS has been brought back into an online mode, a VTSS audit will need to be scheduled in order to remove any old or duplicate VTV copies.

SLS6631I

VTSS: *XXXXXXX1* VTV: *VVVVV* duplicate deleted from *XXXXXXX2*

Explanation: When checking the status of VTV *VVVVV* upon VTSS *XXXXXXX1*, a duplicate or out-of-date version of the VTV was found upon VTSS *XXXXXXX2*.

System Action: The copy of the VTV upon VTSS *XXXXXXX2* is deleted.

User Response: This message can occur during normal operations if VTSS *XXXXXXX2* has been offline and extra copies of VTV *VVVVV* were created in another VTSS while VTSS *XXXXXXX2* was offline.

For example, the sequence of events below will generate message SLS6631I:

- VTV *VVVVV* is created in VTSS *XXXXXXX2*
- VTV *VVVVV* is migrated, but left resident in VTSS *XXXXXXX2*.
- VTSS *XXXXXXX2* is varied offline.
- VTV *VVVVV* is recalled into VTSS *XXXXXXX1*. VTCS will not be able to delete the copy of VTV *VVVVV* in offline VTSS *XXXXXXX2*.
- VTSS *XXXXXXX2* is varied online.

Otherwise, this problem should be investigated. The message may indicate that VTCS has lost synchronization with the contents of the VTSSs.

If possible, attempt to track back through the life of the VTV to see if there are any other events that may have caused this problem.

Consider running the AUDIT VTSS utility to reconcile the contents of the VTSSs with the CDS.

If the problem persists or is not an isolated incident, contact StorageTek Software Support.

SLS6632I

VTSS *XXXXXXXX* server ready; state is *SSSSSSSS*

Explanation: The main server subtask for VTSS *XXXXXXXX* has initialized and is ready for work. State refers to one of the following:

- OFFLINE - Offline state
- ONLINE - Online state
- QUIESCED - Quiesced state
- QUIESING - Quiescing state
- RECONFIGURED - VTCS has detected that changes have been made to the VTCS configuration and has made appropriate changes to internal subtasks.
- STARTED - The VTSS is initialized and in process of going to the requested state (online, offline or quiesced)
- INCONSISTENT - The VTSS is initialized but its state is not online, offline, started or quiesced.

System Action: HSC/VTCS processing continues.

User Response: None.

SLS6633I

VTSS *XXXXXXXX* server task termination detected:

Explanation: The server task for VTSS *XXXXXXXX* has abnormally terminated for some reason.

System Action: The remainder of the VTCS subsystem will close down.

User Response: Review the SYSLOG to see if there is a reason for the termination. Refer the problem to StorageTek Software Support.

SLS6634I

RTD *DDDDDD* available for use

Explanation: RTD *DDDDDD* can now service requests. This message is issued either at HSC startup, after the RTD is varied online or after the RTD is reset following an error condition.

System Action: HSC processing continues.

User Response: None.

SLS6635I

Auto migration *TTTTTTTT*

Explanation:

- *TTTTTTTT* is "to MVC VVVVVV completed": Auto migration has finished migrating VTVs to MVC VVVVVV.
- *TTTTTTTT* is "rescheduled because of MVC change": Auto migration was rescheduled as the selected MVC was found to not be a good candidate due to one of the following conditions: Incorrect storage class, Full, Read-only, or Draining.

System Action: HSC processing continues.

User Response: None.

SLS6636I

    Demand migration to MVC *VVVVVV* terminated

Explanation: An explicit request to migrate VTVs has completed and has finished using MVC *VVVVVV*.

System Action: HSC processing continues.

User Response: None.

SLS6637I

    Recall from MVC *VVVVVV* completed

Explanation: An explicit request to recall VTVs has completed and has finished using MVC *VVVVVV*.

System Action: HSC processing continues.

User Response: None.

SLS6638I

    MVC *VVVVVV* selected for *FFFFFFFF* VTSS:*XXXXXXXX STORCL:CLASS*

Explanation: Migration has selected *VVVVVV* as a new volume for the function *FFFFFFFF* from VTSS *XXXXXXXX*. The function will either be migration, reclaim output, or consolidation. The MVC was selected with a criteria of storage class *SSSSSSSS* and optionally from ACS *AA*.

System Action: HSC processing continues.

User Response: None.

SLS6639I

    Waiting for host *HHHH* To complete CONFIG RESET for VTSS
    XXXXXXXX

Explanation: When the CONFIG utility was last run, the RESET parameter was specified. As a result, the host *HHHH* is at present clearing and resetting internal configuration of VTSS *XXXXXXXX*.

System Action: The startup of the VTSS server is delayed until the indicated host has completed its processing

User Response: If the host *HHHH* is not active or has suffered some kind of failure, it may be necessary to correct the problem upon the other host and restart HSC. This will restart the processing.

SLS6640I

VTV *VVVVV* not migrated from VTSS *XXXXXXXX* because of status change

Explanation: When attempting to migrate VTV *VVVVVV* out to an MVC from VTSS *XXXXXXXXX*, it was found that the status of the VTV had changed since the command was originally issued.

System Action: Migration of the VTV is skipped.

User Response: This is only a warning. Because there is a significant delay between the validation performed when the command was issued and the time at which the migration is attempted, it is quite possible for another request to update the VTV record and thus invalidate the original reason for the migrate.

The following may cause a VTV status change if it occurs after validation is performed and before migration is attempted:

- The VTV is scratched
- The VTV is mounted, but not dismounted.
- The VTV is migrated and deleted from the VTSS by another VTCS task.
- The VTV is read/written (hence mounted and dismounted) by an application program.

SLS6641I

VTV *VVVVV* failed migration from VTSS *XXXXXXXX* because of a busy condition

Explanation: When attempting to migrate VTV *VVVVVV* out to a MVC from VTSS *XXXXXXXX*, the VTV busy condition was returned by the VTSS.

System Action: Migration of the VTV is skipped.

User Response: This problem should be investigated. The message implies that the VTSS is already performing some other kind of processing against the VTV. It is possible that VTCS has lost synchronization with the contents of the VTSS or that a hardware error condition exists.

If possible, attempt to track back through the life of the VTV to see if there are any other events that may have caused this problem. If the problem persists or is not an isolated incident, contact StorageTek Software Support.

SLS6642I

MVC *VVVVV* incorrectly mounted on drive *DDDDDD*

Explanation: The MVC *VVVVV* was found mounted upon RTD *DDDDDD* and this was not the MVC that was expected.

System Action: The RTD is unloaded and the wait continues for the original MVC that was requested.

If the mount is still not satisfied after 15 minutes, the mount will time out and the MVC will be marked as LOST.

User Response: This could have been caused by volume being left upon a drive. In this case, the unload should allow the original mount to succeed.

If the correct MVC was loaded in response to the original mount request, then the appearance of this message indicates that the MVC is mislabeled. In this case, the MVC must be reinitialized.

SLS6643I

MVC *VVVVVV* mounted on drive *DDDDDD*

Explanation: The MVC *VVVVVV* has been successfully mounted upon RTD *DDDDDD* and is available for use.

System Action: HSC processing continues.

User Response: None.

SLS6644I

VTV *VVVVV* recalled from MVC:*MMMMMM* location:*PPPP*/*BBBBBBBB*

Explanation: The VTV *VVVVV* has been successfully recalled from MVC *MMMMMM*. The VTV was recalled from the physical location consisting of partition *PPPP* and block *BBBBBBBB* on the MVC.

System Action: HSC processing continues.

User Response: None.

SLS6645I

VTSS *XXXXXXXX* is *number1*% full of *number2* VTVS

Explanation: The VTSS *XXXXXXXX* is *number1*% full of VTV data. There are currently number2 VTVs resident in the VTSS.

System Action: If this percentage full exceeds the current high threshold for the VTSS, then auto migration will be started. Auto migration will also be started if the percentage full is 97% or higher.

User Response: None.

SLS6646E

VTSS *VVVVVVV* has requests stalled awaiting CLINKs to *XXXXXXXX*

Explanation: The VTSS *VVVVVVV* has requests to either replicate within cluster *XXXXXXXX* or an electronic export to tapeplex *XXXXXXXX*. Some of these requests are stalled because CLINKs are in an offline state.

System Action: HSC processing continues.

User Response: Use the VT DISPLAY REPLICAT command to find out which requests are held up. Use the VT VARY command to vary online some suitable CLINKs.

SLS6647I

Stopping auto migration on VTSS *XXXXXXXX*

Explanation: The VTSS *XXXXXXXX* has reached the low threshold when performing auto migration.

System Action: Each auto migration request running against the VTSS will terminate when it reaches a convenient point.

User Response: None.

SLS6648I

```
VTV VVVVV failed recall to VTSS XXXXXXXX
```

Explanation: An attempt was made to recover from an error upon a recall of VTV *VVVVVV* back to VTSS *XXXXXXXX*, but the recovery failed.

System Action: The VTV will be skipped. This may ultimately cause the failure of the initiating request.

User Response: The reason for the error should be investigated. Check the SYSLOG for other indications as to the nature of the error.

If the problem keeps recurring upon the same RTD, use the VT VARY command to vary the RTD offline and contact StorageTek Hardware Support.

SLS6649I

```
VTV VVVVV had data errors on recall
```

Explanation: During the recall of VTV *VVVVVV*, data checks have occurred. The recall was completed, but the VTV contains virtual data checks to indicate the areas where data has been lost.

System Action: HSC processing continues.

User Response: The reason for the error should be investigated. Check the SYSLOG for other indications as to the nature of the error.

If the problem keeps recurring upon the same RTD, use the VT VARY command to vary the RTD offline and contact StorageTek Hardware Support.

The media is probably damaged in some way. Attempt recovery of the data from the MVC by the use of the VT MVCDRAIN EJECT command.

SLS6650I

```
VTCS communications interface initialization started
```

Explanation: The communication interface between HSC and VTCS has started.

System Action: HSC processing continues.

User Response: None.

SLS6651E

```
VTCS communications interface initialization failed
```

Explanation: The communications interface between HSC and VTCS has failed for some reason.

System Action: The remainder of the VTCS subsystem will close down.

User Response: Review the SYSLOG to see if there is a reason for the termination. Refer the problem to StorageTek Software Support.

SLS6652E

Copy of VTV *VVVVV* missing from MVC *MMMMMM*

Explanation: While reconciling the contents of MVC *MMMMMM* within a virtual library, it has been discovered that the VTV copy for *VVVVV* is missing.

System Action: The process against the MVC is aborted.

User Response: Investigate why the CDS and the virtual library are out of step. If necessary, contact StorageTek hardware support.

To bring the CDS contents back into line with the virtual library contents, perform a MVC AUDIT of the MVC.

SLS6653I

VTCS main task starting

Explanation: The main task for processing requests in VTCS has started.

System Action: HSC processing continues.

User Response: None.

SLS6654I

VTCS main task waiting for work

Explanation: The VTCS main task is ready for processing requests from HSC.

System Action: HSC processing continues.

User Response: None.

SLS6655I

VTCS main task terminating

Explanation: The VTCS main task has received a shutdown request from HSC.

System Action: HSC processing continues.

User Response: None.

SLS6656I

CONFIG error: *XXXXXXXX*

Explanation: When running the configuration utility, an error was detected in one of the previous statements in the configuration parameters. The message *XXXXXXXX* gives the reason for the error.

System Action: The remainder of the configuration statements will be processed, but the CDS will not be updated with the new details.

User Response: Review the configuration and change the statements and before rerunning the configuration utility.

SLS6657E

`Attempt to mount fenced VTV` *VVVVV*

Explanation: A mount request has been received for a VTV *VVVVV* and it is in a fenced state. The contents for the VTV are in an unpredictable state and it is unsafe to perform the mount.

The VTV can be reused once it has been scratched and used for a successful scratch mount.

System Action: The mount request will be failed.

User Response: If possible, attempt to track back through the life of the VTV to see if there are any other events that may have caused this problem.

The data upon the VTV will need to be reconstructed.

If the problem persists or is not an isolated incident, contact StorageTek Software Support.

SLS6658E

`VTV` *VVVVV* `is being recovered on VTSS` *XXXXXXXX*

Explanation. While performing a check of VTV *VVVVV*, it has been found that the VTSS *XXXXXXXX* is performing recovery action against the VTV.

System Action. The action against the VTV will be retried at some later date. At that point the VTV may be fenced if the VTV contents are found to be unreliable.

The request that discovered the problem will be failed.

User Response. This problem is the result of a previous hardware error on the VTSS. Contact StorageTek Hardware Support to ensure that the original problem has been logged and/or reported.

If possible, attempt to track back through the life of the VTV to see if there are any other events that may have caused this problem.

Once it has been discovered that the recovery action has finished, the VTV contents should be inspected to verify the data integrity.

SLS6659I

`VTSS` *XXXXXXXX* `SIM:`*MMMM*

Explanation: While performing ECAM to VTSS *XXXXXXXX*, an indication was returned that a SIM message was pending. The sense information from the SIM message is *MMMM*.

System Action: If required, an error record will be written to SYS1.LOGREC. Normal processing continues.

User Response: The information should be reported to StorageTek Hardware Support.

SLS6660E

```
Termination of TTTTT task for device XXXXXXXX
```

Explanation: Server task *TTTTT* has abnormally terminated.

- If *TTTTT* is RTD, *XXXXXXXX* shows the *deviceid*.
- If *TTTTT* is CLINK, *XXXXXXXX* shows the *vtssname* and *deviceid*.

System Action: The affected CLINK/RTD becomes unusable.

User Response: Review the SYSLOG to see if there is a reason for the termination. Refer the problem to StorageTek Software Support.

SLS6661E

```
All RTD servers terminated - VTCS terminating
```

Explanation: All of the RTD server tasks for a VTSS have abnormally terminated for some reason.

System Action: The remainder of the VTCS subsystem will close down.

User Response: Review the SYSLOG to see if there is a reason for the termination. Refer the problem to StorageTek Software Support.

SLS6662E

```
RTD DDDDDD put in maintenance mode because of error
```

Explanation: A general failure has occurred on RTD *DDDDDD*. The device was reported either inoperable, unconfigured, inaccessible, or bad, and has been taken out of service.

System Action: The current request that is processing on the RTD will be retried on another RTD.

User Response: The reason for the error should be investigated. Check the SYSLOG for any other indications as to the nature of the error, and contact StorageTek Hardware Support.

SLS6663I

```
TTTTT task AAAA for device XXXXXXXX
```

Explanation: Server task *TTTTT* is starting or has terminated.

- If *TTTTT* is RTD, *XXXXXXXX* shows the *deviceid*.
- If TTTTT is CLINK, *XXXXXXXX* shows the *vtssname* and *deviceid*.

System Action: HSC processing continues.

None. **SLS6664I**

```
CDS is not compatible with VTCS
```

Explanation: The CDS can not be processed by this level of VTCS because it either does not understand the format of the CDS or because an optional feature has been activated for which there is no programming support.

System Action: VTCS processing terminates. If VTCS was starting up in an HSC/VTCS subsystem, it will close down.

User Response: Ensure that the CDS was configured using the current version of the VTCS libraries, or a version of the VTCS libraries that produces a compatible CDS.

Additionally, check to see whether the correct maintenance has been applied to these libraries and that HCS/VTCS has been started up using the correct version of the code.

Finally, when running different levels of VTCS, read the appropriate documentation to see whether any steps have been omitted or been done incorrectly.

If the CDS has been configured correctly, refer the problem to StorageTek Software Support.

SLS6665I

```
VTCS main task normal termination complete
```

Explanation: The main task for VTCS has finished terminating.

System Action: HSC processing continues.

User Response: None.

SLS6666E

```
VTCS main task abnormal termination detected
```

Explanation: The main task for VTCS has abnormally terminated for some reason.

System Action: The remainder of the VTCS subsystem will close down.

User Response: Review the SYSLOG to see if there is a reason for the termination. Refer the problem to StorageTek Software Support.

SLS6667I

```
Request purged:XXXXXXXX {on VTD:DDDDDD} {MVC:MMMMMM}
{VTV:VVVVVV} RRRRRRRR
```

Explanation: The request of type *XXXXXXXX* has failed. The request was optionally directed towards VTD *DDDDDD*. The current MVC being processed was *MMMMMM* and the current VTV was *VVVVVV*. *RRRRRRRR* indicates the main reason for the request being failed. This may be either a textual explanation or an indication of the internal HSC return code that triggered the problem.

This is a general indication for the abnormal termination of a request. This could be caused by a hardware error, a software error, operator intervention, or some other unresolvable error condition.

System Action: The indicated request is terminated.

User Response: This message is normally the result of some other failure condition. Review the SYSLOG to see if there any other message that give a further indication as to the nature of the error. Depending upon the nature of the error, the original command or utility may need to be retried with the same or different parameters. If the error is the result of a software error, then refer the problem to StorageTek Software Support.

SLS6668I

```
Configuring RTD DDDDDD
```

Explanation: The server task for RTD *DDDDDD* has found that the RTD was unconfigured.

System Action: The RTD will be configured according to the details stored in the CDS.

User Response: None.

SLS6669I

```
RTD configuration mismatch DDDDDD1:DDDDDD2 CCC1:CCC2
```

Explanation: The server task for RTD *DDDDDD1* has found a mismatch between the configuration details in the CDS and the details in the VTSS.

The RTD known as *DDDDDD2* has channel interface details of *CCC2* rather than *CCC1*.

System Action: Operation proceeds with the configuration stored in the VTSS.

User Response: If the configuration in the CDS is wrong, rerun the configuration utility to reset the RTD details.

If the configuration in the VTSS is wrong, reset the RTD to the unconfigured state by use of the VTSS operator panel and use the VT VARY command to bring the RTD online.

SLS6670E

```
RTD DDDDDDDD failed XXXXXX configuration with CC=CCC RC=RRR
```

Explanation: The RTD *DDDDDDDD* was found to be unconfigured and an attempt was made to configure the device according to the details in the CDS. The request failed with Completion Code X'*CCC*', Reason Code X'*RRR*'. The *XXXXXX* indicates whether it was the VTSS or the actual library that reported the error.

System Action: The RTD is left in a broken state.

User Response: Check that the RTD configuration is correct.

Check that the RTD is not online to another system. If the problem cannot be resolved, contact StorageTek Hardware Support.

SLS6671E

```
PPPPPPPP scratch pool empty, Reply R to retry
```

Explanation: The subpool *PPPPPPPP* does not contain any virtual scratch volumes.

System Action: The scratch levels will be rechecked every 10 minutes. Any scratch mounts for the indicated subpool will be placed on hold until scratch volume become available.

User Response: Run the scratch synchronization utility for HSC to ensure that the CDS contains details of the latest scratch volumes from the TMC.

Answer 'R' to this prompt to retry any held scratch mount requests. Check the SCRPOOL definitions for HSC to ensure that they cover the correct virtual volume ranges. Consider adding extra ranges of VTV volumes to the CDS.

SLS6672E

```
Invalid utility control statement
```

Explanation: A SWSADMIN utility has encountered a continuation or other general syntax error (e.g. unmatched parentheses) on a utility control statement, or the concatenated control statement (including 9 bytes of SWSADMIN overhead) exceeds the maximum length of 32000 characters.

System Action: The control statement is ignored and Return Code 8 is set.

User Response: Correct the error and resubmit the SWSADMIN utility job.

SLS6673I

`Configured virtual drive DDDDDD marked nonexistent`

Explanation: The VTD *DDDDDD* has been defined in the VTCS configuration but does not exist within the VTSS. This is most likely to occur if the configuration defines more devices than the VTSS model supports.

System Action: HSC processing continues.

User Response: Review the VTCS configuration.

SLS6674I

`Invalid range VVVVV1 - VVVVV2 specified`

Explanation: The range of volumes *VVVVV1-VVVVV2* specified in the utility or command does not constitute a valid volume range.

System Action: The command or utility will fail.

User Response: Correct the volume range in error and resubmit the command or utility.

SLS6675E

```
VTSS:XXXXXXXX VTD:DDDDDD configuration error RC=RRRRRRRR
subsystem info:ZZZZZ1/ZZZZZ2/ZZZZZ3
```

Explanation: While validating the configuration of the virtual drive *DDDDDD* attached to VTSS *XXXXXXXX*, either an error of *RRRRRRRR* was returned to an ECAM request or a configuration mismatch was detected.

The VTSS attached to the device returned a subsystem name of *ZZZZZ1*, a device Id of *ZZZZZ2* and a frame serial number of *ZZZZZ3*.

If an ECAM error occurred, either something in MSP or the hardware prevented communication with the VTD or the device addressed is not a VTD.

The *RRRRRRRR* return codes are as follows:

- 00000004 - In response to VTCS validating the configuration of a VTD in VTSS *XXXXXXXX*, ECAM returned a subsystem name (*ZZZZZ1*) other than 99999999, blanks or *XXXXXXXX*.
- 00000008 - In response to VTCS validating the configuration of a VTD other than the first in VTSS *XXXXXXXX*, ECAM returned a different subsystem name of *ZZZZZ1*. Such a name mismatch should only ever occur on the first VTD.
- 0000000C - In response to VTCS validating the configuration of a VTD other than the first in VTSS *XXXXXXXX*, ECAM returned frame serial number *ZZZZZ3* which differs from the frame serial number returned from checking the first VTD.
- 6A40FF0C - EXCP failed, unknown reason
- 6A40FF10 - EXCP failed, interface control check
- 6A40FF14 - EXCP failed, no comm path to the VTD
- 6A40FF18 - UCBLOOK failed
- 6A40FF1C - UCB capture failed
- 6A40FE00 - Improperly formatted ECAM request (VTCS code error)

System Action: The VTD will be marked as broken and will not be used.

User Response: Check and review the VTCS configuration.

Ensure that the number and order of the VTDs in the configuration match that of the VTSS.

Check and review the hardware configuration of the MSP system. Ensure that the VTD addresses point to the correct VTSS and that all CHPIDs and paths for the failing device are online and operational.

If running under an MSP guest, ensure that the VM configuration is correct. Also, ensure that the VTDs are attached to the MSP guest with the 'NOASSIGN' option and that any real to virtual device mapping is correct.

If this message (with RC=6A40FF0C) occurs for every VTD followed by message SLS6608E and none of the responses listed above resolve the problem, then this is a VTSS hardware and/or microcode problem. Have your Oracle customer engineer check the VTSS op panel and logs for error conditions. A DAC condition (data assurance check) is a known cause of this error. If a DAC has occurred, you will need to run a VTSS Audit after the DAC condition has been reset by the customer engineer.

SLS6677E

`HSC/VTCS subsystem maintenance level is not correct`

Explanation: A SWSADMIN function or VTCS Programmatic Interface (PGMI) request requires that the load libraries used by the HSC/VTCS subsystem and by the SWSADMIN function or VTCS PGMI request are at a certain release or PUT level.

System Action: The function/request terminates.

User Response: Ensure that the load libraries used by the SWSADMIN function or VTCS PGMI request are the same as those used by the HSC/VTCS subsystem that is active. Re-execute the function/request once the correction has been made.

SLS6678E

`Copy of VTV VVVVVV on VTSS XXXXXXXX has become inaccesible`

Explanation: While performing a check of VTV *VVVVVV* upon VTSS *XXXXXXXX*, the VTSS has indicated that the entire VTV contents have become unreadable for some reason.

System Action: Recovery will be attempted using any other copies of the VTV. If the validity of the VTV contents is suspect, then the VTV will be fenced.

User Response: This problem is the result of a previous hardware error on the VTSS. Contact StorageTek Hardware Support to ensure that the original problem has been logged and/or reported.

If possible, attempt to track back through the life of the VTV to see if there are any other events that may have caused this problem.

If a valid copy of the VTV exists on an MVC, then the data upon the VTV is still accessible. Otherwise, the contents of the VTV will have been lost and the data will need to be reconstructed by other means.

SLS6679E

`Unexpected copy of VTV VVVVVV found on VTSS XXXXXXXX`

Explanation: A copy of VTV *VVVVVV* was found upon VTSS *XXXXXXXX* when the CDS indicates that the VTV should not be present.

System Action: Recovery will be attempted using the copy found on the VTSS.

User Response: This message can occur during normal operations (and does not indicate an error) if VTSS *XXXXXXXX* has been offline and extra copies of VTV *VVVVVV* were created in another VTSS while VTSS *XXXXXXXX* was offline.

For example, the sequence of events below will generate message SLS6679E:

- VTV *VVVVVV* is created in VTSS *XXXXXXXX*
- VTV *VVVVVV* is migrated, but left resident in VTSS *XXXXXXXX*.
- VTSS *XXXXXXXX* is varied offline.
- VTV *VVVVVV* is recalled into another VTSS. VTCS will not be able to delete the copy of VTV *VVVVVV* in offline VTSS *XXXXXXXX*.
- VTSS *XXXXXXXX* is varied online.

Otherwise, this problem should be investigated. The message may indicate that VTCS has lost synchronization with the contents of the VTSSs.

If possible, attempt to track back through the life of the VTV to see if there are any other events that may have caused this problem.

Consider running the AUDIT VTSS utility to reconcile the contents of the VTSSs with the CDS.

If the problem persists or is not an isolated incident, contact StorageTek Software Support.

SLS6680E

`Copy of VTV VVVVVV missing from VTSS XXXXXXXX`

Explanation: While performing a check of VTV *VVVVVV*, the copy that should have existed upon VTSS *XXXXXXXX* has been found to be missing.

System Action: Recovery will be attempted using any other copies of the VTV. If the validity of the VTV contents is suspect, then the VTV will be fenced.

User Response: This problem should be investigated. The message implies that VTCS has lost synchronization with the contents of the VTSS.

If possible, attempt to track back through the life of the VTV to see if there are any other events that may have caused this problem.

Consider running the VTSS audit utility to reconcile the contents of the VTSSs with the CDS.

If at least one copy of the VTV already exists upon another MVC, then the data upon the VTV is still accessible. Otherwise, the contents of the VTV will have been lost and the data will need to be reconstructed by other means.

SLS6681I

VTV *VVVVV* migrated to MVC:*MMMMM* location:*PPPP*/*BBBBBBBB*
{STORCL:*XXXXXXXX* MCMTCL:*XXXXXXXX* | for Consolidation}

Explanation: A copy of VTV *VVVVV* has been successfully written out to MVC *MMMMMM*. The copy of the VTV was migrated to physical location *PPPP*/*BBBBBBBB* on the MVC. *PPP* indicates the partition number and *BBBBBBBB* indicates the block.

If the migration was for consolidation, the literal "for consolidation" is displayed. Otherwise, the Storage Class associated with the MVC and the Management Class associated with the VTV are displayed.

System Action: HSC processing continues.

User Response: None.

SLS6682I

Space reclaim aborted for MVC: *VVVVV* elapsed time of *NNN*
minutes exceeded

Explanation: A demand space reclaim request has been entered specifying a time out of *NNN* minutes. This time has been exceeded. MVC *VVVVV* will not be scheduled for space reclaim.

System Action: HSC processing continues.

User Response: None.

SLS6683I

Bulk recall of number VTVS issued to MVC *VVVVV*

Explanation: A request has been generated as part of drain or space reclaim processing to remove the indicated number of VTVs from MVC *VVVVV*.

System Action: HSC processing continues.

User Response: None.

SLS6684I

RTD *DDDDDDDD* ON VTSS *XXXXXXXX* RETURNED *TTTTTT* ERROR CC=*CCC*
RC=*RRR*

Explanation: An operation between RTD *DDDDDDDD* and VTSS *XXXXXXXX* has failed the request with a completion code of *CCC* and a return code of *RRR*. *TTTTTT* is the type of request that failed. It is either UUIREQ for an operation to a virtual library or ECAM for an operation to tape device. This could be caused by a hardware error, a software error, operator intervention, or an unresolvable error condition.

System Action: Depending upon the nature of the error and the processing at the time, the RTD may be made temporarily unavailable and the request retried upon a different RTD. If possible an alternative MVC may be used.

User Response: The reason for the error should be investigated. Check the SYSLOG for other indications as to the nature of the error. If the problem keeps recurring upon the same RTD, use the VT VARY command to vary the RTD offline and contact StorageTek Hardware Support.

SLS6685I

```
RTD DDDDDD mount of VVVVVV timed out
```

Explanation: A request has been made of HSC to mount MVC *VVVVVV* upon RTD *DDDDDD*, but the RTD did not come ready within 15 minutes.

System Action: If an alternate MVC can be used, the request will be retried using the alternate MVC. If the volume is being used for migration, the request will be retried using a newly selected volume.

If it is not possible to retry the request, then the request will be cancelled.

The affected MVC will be marked as LOST. If a subsequent mount of the MVC is successful, then this status will be cleared.

User Response: Check the SYSLOG to see whether HSC detected some kind of problem when attempting the mount.

Ensure that all MVCs are library resident. If mounts cannot be satisfied using certain drives in the library, attempt to run with these RTDs offline.

If the problem keeps recurring upon the same RTD, use the VT VARY command to vary the RTD offline and contact StorageTek Hardware Support.

SLS6686I

```
RTD DDDDDD volume mounted not an MVC
```

Explanation: The volume just mounted upon RTD *DDDDDD* is not a valid MVC.

System Action: If the mount was as a result of a migrate request, a new volume will be selected and the request will be retried.

As the MVC has been previously used and known to be valid, it is assumed that the wrong volume was mounted upon the drive. The request will be retried.

User Response: Check the SYSLOG to see whether HSC detected some kind of problem when attempting the mount.

Check the integrity of the MVC. It is possible that a previous event has somehow corrupted the MVC. Ensure that sufficient rules and processes are in place to stop overwrites of MVCs by external jobs.

If the problem keeps recurring upon the same RTD, use the VT VARY command to vary the RTD offline and contact StorageTek Hardware Support.

SLS6687I

```
RTD DDDDDD new volume VVVVVV is not an MVC
```

Explanation: The MVC *VVVVVV* was just mounted upon RTD *DDDDDD* in response to a migrate request and was found to not be a valid MVC.

System Action: A new volume will be selected and the migrate requests will be retried.

User Response: Check the SYSLOG to see whether HSC detected some kind of problem when attempting the mount.

Check to see whether the MVC was properly initialized.

Check the integrity of the MVC. It is possible that a previous event has somehow corrupted the MVC. Ensure that sufficient rules and processes are in place to stop overwrites of MVCs by external jobs.

If the problem keeps recurring upon the same RTD, use the VT VARY command to vary the RTD offline and contact StorageTek Hardware Support.

SLS6688E

`RTD DDDDDD MVC VVVVVV mounted READONLY`

Explanation: The MVC *VVVVVV* was mounted upon RTD *DDDDDD* in a read only state and a migrate request attempted to write more VTVs to the MVC.

System Action: A new volume will be selected and the migrate requests will be retried.

User Response: Check the SYSLOG to see whether HSC detected some kind of problem when attempting the mount. Check the physical media to ensure that it is not read protected.If the problem keeps recurring upon the same RTD, use the VT VARY command to vary the RTD offline and contact StorageTek Hardware Support.

SLS6689E

`FFFFFF found invalid version of VTV VVVVVV on VTSS SSSSSSSS`

Explanation: A crosscheck between the contents of VTSS SSSSSSSS and the CDS whilst performing function *FFFFFF* has failed.

The CDS and the hardware contain different versions of the VTV. This could be due to running with the wrong CDS or as a result of a software problem in VTCS.

System Action: The function that encountered the problem will be aborted. This may result in orphaned copies of VTVs being left in the VTSS.

User Response: Contact StorageTek Software Support.

This problem should be investigated. The message implies that VTCS has lost synchronization with the contents of the hardware.

The VTSS indicated and any MVCs where the affected VTV resides should be audited. Without performing these actions, it maybe impossible to access the contents of the VTV.

Also investigate the HSC JOBLOG from all systems to see whether there are any other errors that could be related or occurred in the same time period.

SLS6690E

`RTD DDDDDD position error on VTV VVVVVV MVC MMMMMM`

Explanation: An attempt was made upon RTD *DDDDDD* to read VTV *VVVVVV* from MVC *MMMMMM*. The VTV cannot be found at the position indicated within the CDS.

System Action: If an alternate MVC can be used, the request will be retried using the alternate MVC. Otherwise, the request will be cancelled.

User Response: This problem should be investigated. The message implies that VTCS has lost synchronization with the contents of the MVCs.

If possible, attempt to track back through the life of the MVC to see if there are any other events that may have caused this problem.

Consider running the MVC audit utility to reconcile the contents of the VTSSs with the CDS.

Check the integrity of the MVC. It is possible that a previous event has somehow corrupted the MVC. Ensure that sufficient rules and processes are in place to stop overwrites of MVCs by external jobs.

If the problem keeps recurring upon the same RTD, use the VT VARY command to vary the RTD offline and contact StorageTek Hardware Support.

SLS6691I

RTD *DDDDDD* request cancelled

Explanation: A current long running ECAM request upon RTD *DDDDDD* was cancelled.

System Action: The request currently being processed upon the RTD is cancelled.

User Response: This problem should be investigated. The message implies that either a hardware error has occurred upon the VTSS or one of the other hosts is performing some kind of recovery action against the RTD.

Check the SYSLOG upon each host to see what may have been happening at the time of the problem.

If the problem keeps recurring upon the same RTD, use the VT VARY command to vary the RTD offline and contact StorageTek Hardware Support.

SLS6692E

RTD *DDDDDD* I/O error on MVC *MMMMMM* labels for VTV *VVVVVV*

Explanation: An attempt was made upon RTD *DDDDDD* to read VTV *VVVVVV* from MVC *MMMMMM*. A data check occurred when attempting to read the tape labels. This copy of the VTV is inaccessible.

System Action: If an alternate MVC can be used, the request will be retried using the alternate MVC. Otherwise, the request will be cancelled.

User Response: The reason for the error should be investigated. Check the SYSLOG for other indications as to the nature of the error.

■ If the MVC is damaged or suspect, then use the VT MVCDRAIN EJECT command to remove any VTVs from the MVC.

■ If the problem keeps recurring upon the same RTD, use the VT VARY command to vary the RTD offline and contact StorageTek Hardware Support.

SLS6693I

RTD *DDDDDD* failed, drive will be retried later

Explanation: A general failure has occurred upon RTD *DDDDDD*. The drive will be taken out of service for a short time and will then be reset.

System Action: The current request that is processing upon the RTD will be retried upon another RTD.

User Response: The reason for the error should be investigated. Check the SYSLOG for other indications as to the nature of the error.

If the problem keeps recurring upon the same RTD, use the VT VARY command to vary the RTD offline and contact StorageTek Hardware Support.

SLS6694E

VTSS *XXXXXXXX* has too many VTVs

Explanation: An attempt has been made to place more than 100,000 VTVs in VTSS *XXXXXXXX*.

System Action: The request that attempted to exceed the limit will be cancelled.

User Response: Check the SYSLOG for other indications as to the nature of the error. Auto migration should have been started sometime before this condition occurred.

Use the VT MIGRATE command to make some space available in the affected VTSS.

SLS6695E

VTSS *XXXXXXXX* is full

Explanation: An attempt has been made to recall a VTV to VTSS *XXXXXXXX*, but there was insufficient space within the VTSS.

System Action: The request that attempted to exceed the limit will be cancelled.

User Response: Check the SYSLOG for other indications as to the nature of the error. Auto migration should have been started sometime before this condition occurred.

Use the VT MIGRATE command to make some space available in the affected VTSS.

SLS6696I

Transfer VTV *VVVVV* from VTSS *XXXXXXX1* to *XXXXXXX2* via ACS *AA*

Explanation: A mount request has been directed to VTSS *XXXXXXX2* to mount VTV *VVVVV*. The volume is not resident upon any MVCs. The VTV will be transferred from VTSS *XXXXXXX1* via common RTDs in ACS *AA*.

System Action: HSC processing continues.

User Response: This is a costly action to perform and should be avoided if at all possible.

Check the JCL for the job, the TAPEREQ definitions and any user exit responses to see why the virtual mount was directed toward the wrong VTSS

SLS6697I

No compatible drives for transfer of VTV *VVVVV* from VTSS *XXXXXXX1* to *XXXXXXX2*

Explanation: A mount request has been directed to VTSS *XXXXXXX2* to mount VTV *VVVVV*. The volume is not resident upon any MVCs. There are no common RTDs in the same location and of the same type to enable a transfer of the VTV between the two VTSSs.

System Action: The mount request fails.

User Response: Check the JCL for the job, the TAPEREQ definitions and any user exit responses to see why the virtual mount was directed toward the wrong VTSS.

SLS6698I

ECAM I/O error on VTD *DDDD*

Explanation: An I/O error occurred when ECAM-T was issued against a VTD address.

System Action: VTCS will retry the failure once against a different VTD address if possible. If the retry fails also, the invoking function will fail.

User Response: Investigate why I/O cannot be done to this address.

SLS6699E

```
MSP space critical - Please add more MVCS to ACSxx/MVCPOOL
(poolname) and reply R to retry
```

Explanation: The MVC Space critical has dropped below the configured threshold for ACS*xx* or named MVCPOOL (*PPPPPPPP*). See the last SLS6611I message for details of how many MVCs are free.

System Action: Automatic space reclaim is started. This message will be deleted when the shortage is relieved.

User Response: The VT RECLAIM command may free up some MVCs. Use the QUERY MVCPOOL command or utility MVCPLRPT to determine if other ACS(s) and/or named MVCPOOLs are short of free MVCs. The MVCPOOL definitions should be reviewed and/or new ranges of MVCs should be defined in the CDS. After adding the MVCs, reply R to this prompt to retry the migrate requests.

SLS6701I

```
Auto migration for VTSS XXXXXXXX to target NN% is now active on
host HHHH.
```

Explanation: The DBU upon VTSS *XXXXXXXX* has exceeded the high threshold or a migrate to threshold operator command has been issued and auto migration is now active upon host *HHHH*. This host will manage auto migration by migrating and deleting VTVs from the VTSS until the DBU drops to the target *NN*%.

System Action: HSC Processing continues.

User Response: None.

SLS6702E

```
No volumes available for auto migration selection on VTSS
XXXXXXXX
```

Explanation: The auto migration process was unable to find any VTVs eligible to be migrated, but the migration target has not been reached. VTVs are ineligible to be migrated if they are in one of the following states:

- mounted
- already on another migration list (e.g. immediate migrate)

System Action: If the DBU is lower than the high automatic migration threshold (HAMT), VTCS will terminate auto migration. Otherwise, VTCS will pause auto migration by waiting some minutes before re-evaluating which VTVs require auto migration.

User Response: If ineligible VTVs can be identified, resolve the cause that makes them ineligible. If assistance is needed in getting auto migration to proceed, contact StorageTek software support.

SLS6703I

Host *HHHH* is performing auto migration to target *NN*% on VTSS *XXXXXXXX*

Explanation: The message is issued periodically to indicate an active auto migration on another host. In general, the message is timed for about 60-minute intervals. However, depending on the point at which the check is done, it may be produced at a more or less frequent intervals.

System Action: Auto migration continues on the indicated host.

User Response: None.

SLS6704E

Auto migration for VTSS *XXXXXXXX* stalled because all storage classes are in error

Explanation: In attempting to select VTVs for auto migration, all eligible volumes require migration to storage classes which have been flagged in error, due to either MVC or RTD problems.

System Action: Auto migration waits for a while, and then attempts to re-select a VTV list.

User Response: Check for previously issued messages SLS6700E, indicating storage classes in error and associated reason codes. Correct the indicated problems, and reload storage class definitions if necessary.

SLS6705E

Unconfigure failed with CC=*CCC* RC=*RRR* for RTD *DDDDDD* attached to VTSS *XXXXXXXX*

Explanation: Following a CONFIG RESET, VTCS issues an ECAM Unconfigure against each RTD before Configuring the RTDs as described in the CDS.

Unconfigure failed with Completion Code X'*CCC*', Reason Code X'*RRR*' for RTD *DDDDDD* attached to VTSS *XXXXXXXX*. Because the VTCS CONFIG is not used for the Unconfigure, the RTD name is not available at this stage, only its relative number D (0-7).

System Action: VTCS re-configuration processing continues, though it is likely that the later Configure for this RTD will also fail and the RTD will be put into Maintenance mode.

User Response: Check that the RTD configuration is correct. If the problem cannot be resolved, contact StorageTek Hardware Support.

SLS6706E

```
Unconfigure failed with CC=CCC RC=RRRRRR for CLINK D attached
to VTSS XXXXXXXX
```

Explanation: Following a CONFIG RESET, VTCS issues an ECAM Unconfigure against each Clink before Configuring the Clinks as described in the CDS.

Unconfigure failed with Completion Code X′*CCC*′, Reason Code X′*RRRRRR*′ for Clink D attached to VTSS *XXXXXXXX*. Because the VTCS CONFIG is not used for the Unconfigure, the Clink name is not available at this stage, only its relative number D (0-7).

System Action: VTCS re-configuration processing continues, though it is likely that the later Configure for this Clink will also fail and the Clink will be put into Maintenance mode.

User Response: Check that the Clink information is correct. If the problem cannot be resolved, contact StorageTek Hardware Support.

SLS6707E

```
XXXXXXXX can only be executed as a TTTTTTT
```

Explanation: An attempt was made to execute command/utility *XXXXXXXX* in the wrong environment. ttttttt indicates the correct environment (command | utility).

- If the error message reads: *XXXXXXXX* CAN ONLY BE EXECUTED AS A UTILITY An attempt was made to execute utility xxxxxx as an HSC/VTCS operator command or by invoking the VTCS Programmatic Interface (PGMI) in a command-only environment. Utility *XXXXXXXX* can only be executed using SWSADMIN or in a VTCS PGMI environment that allows utilities.

- If the error message reads: *XXXXXXXX* CAN ONLY BE EXECUTED AS A COMMAND An attempt was made to execute command *XXXXXXXX* using SWSADMIN or by invoking the VTCS Programmatic Interface (PGMI) in a utility-only environment. Command *XXXXXXXX* can only be executed as an HSC/VTCS operator command or in a VTCS PGMI environment that allows commands.

System Action: The command/utility is rejected.

User Response: Execute the command/utility in the correct environment.

SLS6708E

```
Data space creation failed. DSPSERV CREATE gave RC=X′CC′ RSN=
X′RR′
```

Explanation: Import was accessing an inactive CDS, i.e. a CDS that was not in use by any Hosts.

The utility attempted to create a data space into which the CDS could be copied, but this failed. Specifically, the DSPSERV CREATE macro gave Return Code X′*cc*′ and Reason Code X′*rr*′.

System Action: The utility terminates.

User Response: Check the relevant IBM documentation to determine the cause of the failure. If possible, correct this and rerun the utility. Otherwise, contact StorageTek Software Support.

SLS6709E

Failed to obtain accessability to the data space. ALESERV ADD
gave RC=X'*CC*'

Explanation: Import was accessing an inactive CDS, i.e. a CDS that was not in use by any Hosts.

The utility successfully created a data space into which the CDS could be copied, but failed to obtain an ALET with which to access the data space. Specifically, the ALESERV ADD macro gave Return Code X'cc'.

System Action: The utility terminates.

User Response: Check the relevant IBM documentation to determine the cause of the failure. If possible, correct this and rerun the utility. Otherwise, contact StorageTek Software Support.

SLS6710E

No selection criteria specified for EXPORT

Explanation: The EXPORT utility was started, but with no selection of either VTVs or MVCs for export.

System Action: The utility terminates.

User Response: Correct the EXPORT control cards and rerun the job.

SLS6711E

Failed to open DDNAME '*ddname*' for manifest

Explanation: A utility attempted to open the dd-name *ddname* for the manifest file, but the operation failed.

System Action: The export or import utility terminates.

User Response: The most likely cause of the above is a missing dd-name. Amend the JCL for the utility job to include the correct dd-name.

SLS6712I

DDNAME '*ddname*' will be used for the manifest

Explanation: DD-name *ddname* will be used to read or write the manifest file.

System Action: None.

User Response: None.

SLS6713E

Invalid value *VALUE* specified for option *KEYWORD*

Explanation: An invalid or unacceptable value *VALUE* was specified for keyword *KEYWORD.*

System Action: The utility terminates.

User Response: Correct the control cards as appropriate and rerun the job.

SLS6715E

```
'volser1-volser2' does not represent a valid volser-range
```

Explanation: The specified volser-range *volser1-volser2* is not a valid range. *volser1* and *volser2* are required to satisfy the following criteria:

- *volser1* and *volser2* must be individually valid volsers.
- *volser1* and *volser2* must consist of the same number of characters.
- *volser2* must be > *volser1*

System Action: Processing continues.

User Response: Correct the volser-range and rerun the job.

SLS6716E

```
Unable to update the CDS. Following hosts are active:
H1 (,H2, ..., H16)
```

Explanation: A utility that required update access to the CDS determined that it was accessing an inactive CDS, because:

- The utility command explicitly stated that an inactive CDS was being used, or
- HSC/VTCS was not active on this system (and the utility command did not explicitly state that an inactive CDS was being used).

Processing of an inactive CDS requires that no Hosts are using the CDS. However, the CDS shows the listed Hosts (H1,..., H16) are active and using this CDS.

System Action: The utility terminates.

User Response: Shut down HSC on all listed Hosts, then rerun the utility. If a Host is listed but HSC is not active on that Host, HSC did not terminate cleanly. In this case, either start HSC on the Host and then shut it down cleanly, or RECOVER the Host from a different active Host (before shutting that Host down as well). Alternatively, if the utility is using the same CDS as the listed Hosts, ensure HSC/VTCS is active on this system then rerun the utility.

SLS6717I

```
MVC VVVVVV is in use; EXPORT prohibited
```

Explanation: An attempt was made to export MVC *VVVVVV*, which was found to be in use at the time of export.

System Action: The MVC is ignored and processing continues.

User Response: Rerun the export job when the MVC is no longer in use.

SLS6718I

```
MVC VVVVVV was selected for EXPORT, but was not found
```

Explanation: MVC *VVVVVV* was selected for exported, but an associated record could not be read from the CDS.

System Action: The volser is ignored.

User Response: Correct the export control cards, and rerun the job.

SLS6719I

All EXPORT data for MVC *VVVVV* successfully written to manifest

Explanation: All VTV and MVC data for MVC *VVVVVV* was written to the manifest file. The sub-operation for this MVC is now complete.

System Action: None.

User Response: None.

SLS6720E

The manifest CHECKSUM is invalid; IMPORT aborted

Explanation: The 32-bit CRC (cyclical redundancy check) checksum written to the manifest did not match the checksum computed by the import utility.

System Action: The utility terminates.

User Response: Contact StorageTek Software Support.

SLS6721I

NNNN {VTV(S) | MVC(S)} selected for IMPORT:

Explanation: A number (*NNNN*) of VTVs or MVCs were selected for import; see the following SLS6727I messages for a list of the affected volsers.

System Action: None.

User Response: None.

SLS6722I

Incomplete block encountered in MANIFEST-FILE, FIELD NO.*NN*

Explanation: When reading the manifest file, an incomplete block was discovered when field number *NN* was read. The previous block is the one that is incomplete.

System Action: The previous block is ignored, and the read of the manifest file continues.

User Response: Contact StorageTek Software Support.

SLS6723E

No input source specified; MVCMAINT aborted

Explanation: No MVCs were specified for maintenance.

System Action: The utility terminates.

User Response: Amend the control cards using either MVC() or MANIFEST() and rerun the job.

SLS6724E

VTV *VVVVV* cannot be imported; An associated MVC was not imported

Explanation: VTV *VVVVVV* cannot be imported as no MVC containing the VTV-copy has been imported.

System Action: VTV *VVVVVV* is ignored and the processing continues.

User Response: Determine why an appropriate MVC was not imported, and correct the problem that prevented it from being imported. Then rerun the job.

SLS6725I

    IMMDRAIN(YES) was specified, but ignored; UPDATE=NO

Explanation: IMMDRAIN(YES) was specified along with noupdate. Because of noupdate, the IMMDRAIN(YES) is ignored and no MVCs are drained.

System Action: Processing continues.

User Response: None.

SLS6726I

    The manifest contains no applicable data; processing aborted

Explanation: The manifest file is empty; contains no VTVs and no MVCs.

System Action: The utility terminates.

User Response: None.

SLS6727I

    VVVVVV VVVVVV VVVVVV VVVVVV VVVVVV VVVVVV VVVVVV VVVVVVVVVVVV
    VVVVVV VVVVVV VVVVVV VVVVVV VVVVVV VVVVVV VVVVVV VVVVVV VVVVVV

Explanation: A list of volsers. See preceding messages for an explanation.

System Action: None.

User Response: None.

SLS6728I

    NNNN {VTV(s)|MVC(s)} were {NOT|SUCCESSFULLY} imported

Explanation: A number (*NNNN*) of VTVs or MVCs were or were not imported; see the following SLS6727I messages for a list of the affected volsers.

System Action: The VTV or MVC is ignored and processing continues.

User Response: Correct the problem that caused the VTV or MVC to fail IMPORT and rerun the job.

SLS6730I

    NNNN item(s) selected for processing

Explanation: A number *(NNNN)*of items were selected for processing by a utility. See the following SLS6727I messages for a list of the affected volsers.

System Action: None.

User Response: None.

SLS6731I

    NNNN { VTV(S) | MVC(S) } WERE { NOT | SUCCESSFULLY } exported

Explanation: A number (*NNNN*) of VTVS or MVCs were or were not imported; see the following SLS6727I messages for a list of the affected volsers.

System Action: None.

User Response: None.

SLS6732E

Item *VVVVVV* not imported; not found in manifest

Explanation: The listed *VVVVVV* of type item was selected for import, but was not found in the manifest.

System Action: The listed volume is ignored and processing continues.

User Response: Amend the control cards and rerun the job.

SLS6733E

Length (*LENGTH*) of metadata supplied for *TYPE* item is incorrect

Explanation: The metadata supplied for the specified item (VTV or MVC) does not have the correct length.

System Action: The item is ignored, and processing terminates.

User Response: Contact StorageTek Software Support.

SLS6734E

Unable to retrieve record for item *VVVVVV*

Explanation: A VTV or MVC record, as specified by item, could not be read from the CDS.

System Action: The item is ignored, and processing terminates.

User Response: To complete the import, re-configure the CDS to include the appropriate definitions for the VTVs and or MVCs to be imported. Then rerun the job.

SLS6735E

Item *VVVVVV* was not imported; *REASON*

Explanation: The specified item, VTV or MVC, could not be imported. The *REASON* explains why.

System Action: The item was ignored, and processing terminates.

User Response: If *REASON* is "volume is mounted", the VTV being imported was mounted and could therefore not be imported. To complete the import, dismount the volume and rerun the job.

- If *REASON* is "update=no", the import was being run with NOUPDATE, and all attempted updates are reported in this manner.
- If *REASON* is "duplicate exists" and the item is a VTV, the VTV appears to contain data, and is considered duplicate. To force update of a duplicate VTV, specify REPLACE(ALL).
- If *REASON* is "duplicate exists" and the item is an MVC, the MVC has a number of VTV copies, and is considered duplicate. To import an MVC, it must appear to be either empty or un-initialized in the target CDS.

SLS6736I

Item *VVVVVV* was successfully imported

Explanation: An item of type *VVVVVVV* was successfully imported.

System Action: None.

User Response: None.

SLS6737I

MVC *VVVVV* already has READONLY/LOST(ON | OFF); request
ignored

Explanation: A change to the readonly status of an MVC was requested using
MVCMAINT, but the selected MVC was already in the desired state.

System Action: Processing continues.

User Response: None.

SLS6738E

{STORAGE/MANAGEMENT} class *CLASS* was either empty or undefined

Explanation: The specified storage or management class *CLASS* caused no MVCs or
VTVs to be selected.

System Action: Processing continues.

User Response: Correct the class name if required.

SLS6739I

Duplicate {STORAGE/MANAGEMENT} class *CLASS* ignored

Explanation: A storage or management class named *CLASS* was specified more than
once.

System Action: The duplicate class is ignored and processing continues.

User Response: Correct the control statement if required.

SLS6740I

Syntax error (ignored) on the legacy FEATures VSM statement

Explanation: The VSM Advanced Management feature is now the default. It will be
enabled whether the FEATures VSM(ADVMGMT) statement is specified correctly or
not and also if it is absent.

System Action: Processing continues.

User Response: Remove the now obsolete parameter or correct its legacy syntax.

SLS6741I

Operation of VTSS *XXXXXXXX* initiated from host *HHHH*

Explanation: Host *HHHH* has initiated a vary operation for the VTSS specified.

System Action: VTCS processing continues.

User Response: None.

SLS6742I

Operation (scope) of VTSS *XXXXXXXX* complete

Explanation: A vary operation has completed for the VTSS specified. The scope
indicates whether the operation has completed with respect to the local host only
(local) or with respect to all hosts defined to HSC (global).

System Action: HSC processing continues.

User Response: None.

SLS6744I

```
Quiescing VTSS XXXXXXXX - NNN VTDs still allocated
```

Explanation: During the process of quiescing a VTSS, VTCS will wait until all VTDs are un-allocated. Until then the number of allocated VTDs will be reported whenever the number changes or al least every 30 seconds.

System Action: Processing continues.

User Response: None.

SLS6745I

```
VTSS XXXXXXXX now SSSSSSSS on host HHHH
```

Explanation: The VTSS listed has changed state on host *HHHH*.

STATE	EXPLANATION
ONLINE	The VTSS server is fully functional.
QUIESCED	The VTSS server will only serve internal request, but no virtual mounts.
OFFLINE	The VTSS server is not active.
STARTED	The VTSS has completed initialization.

System Action: Processing continues.

User Response: None.

SLS6746E

```
VTSS XXXXXXXX has been offline; A VTSS AUDIT is recommended
```

Explanation: The VTSS listed was previously off-line, and it is therefore possible that the actual VTSS contents have changed without the CDS being appropriately updated. To make sure the CDS reflects the current VTSS contents, it is recommended that the VTSS be audited. Until a VTSS audit is done, this message will continue to be issued each time HSC is started.

System Action: Processing continues.

User Response: None.

SLS6748E

```
Failed to VARY CLINK-ID CLINKID online to VTSS vtssname
```

Explanation: During initialization of Clustered VTSS link *CLINKID*, the VARY online to VTSS *vtssname* failed. See the last SLS6751I message for details of the ECAM error causing the failure.

System Action: The Clustered VTSS link is set offline and made unavailable for replication processing. VTCS will attempt to recover the link by periodically reissuing the VARY online.

For failed synchronous remote links, an immediate attempt will be made to vary the CLINK on as asynchronous. If this attempt succeeds, VTCS issues message SLS6759I indicating the export CLINK is online in an asynchronous mode and will maintain this state with no further vary attempts. If this attempt fails, the remote link is set offline.

User Response: If the ECAM status indicates a configuration error, correct the error and allow VTCS to recover.

SLS6749I

```
CLINK SSSSSSSS/CC Async Replicated VTV VVVVVV to VTSS RRRRRRRR
MgmtCl:MMMMMMMM
```

Explanation: VTCS has successfully replicated VTV *VVVVVV* from the sending VTSS *SSSSSSSS* to the receiving VTSS *RRRRRRRR* using the CLINK device number *CC*. The management class that initiated the replication is *MMMMMMMM*.

System Action: None. Information only.

User Response: None.

SLS6750E

```
VTSS VVVVVVVV configuration invalid: RRRRRRRR
```

Explanation:

During initialization of VTSS *VVVVVVVV*, the CLINK connections were being validated. The problem *RRRRRRRR* was found with the state or type of the VTSS and requirements derived from the configurations.

Generally, this can be due to the level of microcode on the VTSS not fully supporting the capabilities requested.

For reasontext 'RTD/remote CLINK Configuration different', the ability to replicate to the receiving VTSS on the end of the CLINK will be disabled because the VTSSs in the cluster either do not have an identical RTD configuration or they do not have remote CLINKs to the same tapeplex. For RTD definitions, the VTSSs in the cluster must have connectivity to the same drive types in the same ACS. For remote CLINK definitions, if one VTSS in the cluster has a remote link to a tapeplex then all VTSSs in the cluster must have a remote link to the same tapeplex.

For reasontext 'No access to VTDs 0-15', the ability to perform synchronous replicates or exports will be disabled.

System Action: The VTSS remains online but will not have fully functioning CLINKs. Thus it may not be able to perform replicates or electronic exports.

User Response: Correct the configuration error(s). The VTSS maybe reset and retried by rerunning the CONFIG utility without the RESET option.

SLS6751I

CLINK *vtssname*/*clinkid* iftype ifaddr RETURNED ECAM ERROR CC= *ccc* RC=*rrr*

Explanation: VTCS encountered an ECAM error on Clustered VTSS link clinkid with iftype ifaddr on VTSS *vtssname*. The command terminated with completion code *ccc* and reason code *rrr*. This could be caused by a hardware or software error, or some other unresolvable condition.

System Action: Depending on the nature of the error, the failing request may be re-tried on a different Clink.

User Response: Check the SYSLOG for other messages which may indicate the nature of the error.

SLS6753I

CLINK *CLINKID* on VTSS *XXXXXXXX* reported *RRRRRRRR*: *DDDDDD*

Explanation: VTCS encountered an ECAM error on Clustered VTSS link *CLINKID* on VTSS *XXXXXXXX*. The reason for the error is indicated by *RRRRRRRR*. *DDDDDD* is the sense data returned from the VTSS.

System Action: If required, an error record will be written to SYS1.LOGREC. Depending on the nature of the error, the failing request may be re-tried on a different Clustered VTSS link.

User Response: Check the SYSLOG for other messages which make indicate the nature of the error. If the error persists, contact StorageTek Hardware Support.

SLS6754I

CLINK *ssssssss*/*cc* iftype ii failed to dismount VTV *vvvvvv*

Explanation: During initialization of the CLINK device number cc attached to VTSS *ssssssss*, VTCS determined that VTV *vvvvvv* was still mounted and attempted to dismount it. An error occurred during that dismount processing. The interface to which the device is connected is iftype ii. This message is preceded by message SLS6751I indicating the ECAM error codes.

System Action: The link is unavailable for VTV replication.

User Response: None.

SLS6755I

Configuring CLINK *ssssssss*/*cc* iftype ii

Explanation: VTCS has determined that CLINK device number *cc* attached to VTSS *ssssssss* requires configuring. The connection to the receiving VTSS will be via interface iftype ii.

System Action: VTCS issues the ECAM commands required to configure the link.

User Response: None.

SLS6756I

CLINK *ssssssss*/*cc* iftype ii configuration mismatch *nnnnnnn1-nnnnnnn2* ii1-ii2

Explanation: There is a configuration mismatch for the CLINK device number *cc* attached to VTSS *ssssssss* and configured for interface ifaddr ii. The VTCS CDS configuration contains a clink name of *nnnnnnn1* and interface of ii1, but the VTSS returned values of *nnnnnnn2* and ii2.

This message is normally produced as a result of running the CONFIG utility to add or change back-end connections from the VTSS.

System Action: VTCS will correct the configuration stored within the VTSS.

User Response: A check should be performed to ensure that the configuration information that has been activated is correct.

SLS6757E

CLINK *ssssssss*/*cc* iftype ii failed initial configuration with CC=*ccc* RC=*rrr*

Explanation: During VTCS initialization, the CLINK device number cc attached to VTSS ssssssss and with interface iftype II failed to configure with Completion Code X'ccc' and Reason Code X'rrr'.

System Action: The link is unavailable for VTV replication.

User Response: None.

SLS6758I

CLINK *ssssssss*/*cc* iftype ii failed to replicate/export VTV *vvvvvv*.

Explanation: An error occurred during the replication or exporting of VTV *vvvvvv* over the CLINK device number *cc* from VTSS *ssssssss*.

This message is followed by message SLS6751I indicating the ECAM error codes.

System Action: The VTV remains queued for replication or exporting and the link is flagged for recovery.

User Response: None.

SLS6759I

CLINK *ssssssss*/*cc* iftype ii now online to VTSS *rrrrrrr*

Explanation: VTCS successfully initialized and brought online the CLINK device number *cc* attached to VTSS *ssssssss*.

The connection is via iftype ii to the receiving VTSS *rrrrrrr*. The replication capability supported by the CLINK, asynchronous or synchronous, is indicated in the message.

System Action: The link is now available for either asynchronous or synchronous VTV replication.

User Response: None.

SLS6760I

RTD *DDDDDD* reported *RRRRRRRR* using MVC *VVVVVV*

Explanation: Real tape device *DDDDDD* reported an error using MVC *VVVVVV*. The error is indicated by reason text *RRRRRRRR*. This error could be due to a device failure or a media error or exceptional condition.

System Action: This message may be followed by one or more other messages indicating further errors or recovery actions. Exact recovery depends on the initial error and may include swapping to an alternate device, selecting an alternate MVC or retrying or purging the request.

User Response: Scan the MSP SYSLOG for any necessary action to ensure that a defective device is repaired or a defective media is replace.

SLS6761I

MVC *VVVVVV* contains an invalid MIR - processing may be delayed

Explanation: MVC *VVVVVV* has reported an Invalid Media Information Region and no alternate MVC is available. The invalid MIR condition will cause a slow speed locate operation which could result in extended migrate or recall time.

System Action: The operation continues at a potentially slower speed than normal.

User Response: To ensure optimum performance, take corrective action to repair the media invalid MIR condition.

SLS6762I

MVC *MMMMM* media type does not support MIR. # request ignored

Explanation: MVCMAINT has encountered an attempt to modify the MIR status of MVC *MMMMMM*. The media type of this MVC does not support MIR.

System Action: MVCMAINT will ignore the attempt to update the MIR for this MVC.

User Response: Re-code the MVCMAINT control statements and re-run the job.

SLS6763E

Inconsistent status for MVC *VVVVVV* detected on DRAIN/RECLAIM VTVCT ACT_VTV_CNTS:EXP_VTV_CNTS UPDSQ ACT_MVC_UPD_SEQ_NUM:EXP_MVC_UPD_SEQ_NUM

Explanation: MVC *VVVVVV* had an unexpected status at the termination of a MVCDRAIN or RECLAIM. The actual VTV counts ACT_VTV_CNTS and the expected VTV counts EXP_VTV_CNTS are shown plus the actual MVC update sequence number ACT_MVC_UPD_SEQ_NUM together with the expected MVC update sequence number EXP_MVC_UPD_SEQ_NUM.

System Action: The MVCDRAIN or RECLAIM of the MVC will terminate. The MVC record in the CDS will not be updated and the MVC will remain in DRAIN status.

User Response: This problem may have been caused by MVCDRAIN and/or RECLAIM running concurrently on two hosts on the same MVC. Attempt to drain the MVC. If this fails audit the MVC.

SLS6764E

```
Inconsistent counts for MVC MMMMMM detected on DRAIN/RECLAIM
VTVPR A CNT B DEL C XXXX
```

Explanation: MVC *MMMMMM* had an unexpected VTV counts at the termination of a MVCDRAIN or RECLAIM. The count of the VTVs to be processed is *A*. The count of VTVs migrated to the MVC is *B*. The count of deleted VTVs is *C*. *XXXX* contains additional information about the state of the MVC when the problem was detected.

System Action: The MVCDRAIN or RECLAIM of the MVC will terminate. The MVC record in the CDS will not be updated and the MVC will remain in DRAIN status.

User Response: This problem may have been caused by MVCDRAIN and/or RECLAIM running concurrently on two hosts on the same MVC. Attempt to drain the MVC. If this fails, audit the MVC.

SLS6765I

```
DRAIN/RECLAIM for MVC MMMMMM completed logical EOT PPP/BBBBBB
VTV count V deleted VTV count D
```

Explanation: MVC *MMMMMM* completed the DRAIN or RECLAIM process normally. The new logical end of tape *PPP/BBBBBB* is given where *PPP* is the partition number and *BBBBBB* is the blockid. Non-partitioned tapes will show *PPP* as zeros.

The new VTV count for the mvc *V* is given. The new deleted VTV count for the mvc *D* is given.

System Action: The MVCDRAIN is now removed from DRAIN status and is usable for VSM processing.

User Response: None.

SLS6766E

```
The XML responses contain an error
```

Explanation: A SWSADMIN step contains DDname //SLSXML, causing VTCS to write XML data to this file. VTCS detected that the XML produced for a data item was not of the correct format: <tag>value</tag>.

System Action: Processing continues.

User Response: If the SWSADMIN Step was cancelled or abended, this is the most likely cause of the message, as VTCS processing may have been terminated before production of XML data was complete. If the SWSADMIN Step was not cancelled and did not abend, contact StorageTek Software Support.

SLS6767I

```
TTTTTTTT have been refreshed
```

Explanation: *TTTTTTTT* is "Virtual Scratch Subpools": VTCS has refreshed the definitions of its Scratch Subpools and the Scratch VTV counts within them because the Scratch Subpools were reloaded via the SCRPDEF command.

Explanation: *TTTTTTTT* is "MVC pools": VTCS has refreshed the definitions of its MVC pool cache and the status of the MVCs within the pools as a result of issuing the MVCDEF command.

System Action: Processing continues.

User Response: None.

SLS6768I

```
DFSMSRMM API error, VTV VVVVV, FFFFFFFF, RC=RRRRRRRR, RS=XXXX
```

Explanation: VTCS attempted the DFSMSRMM function *FFFFFFFF* against the volser *VVVVV* and the it failed with Return Code *RRRRRRRR* and Reason Code *XXXX*.

System Action: The VTV will still me mounted.

User Response: Reference the DFSMSRMM manuals to understand the failing return code and reason code.

SLS6769I

```
DFSMSRMM API error, VTV VVVVV non scratch in DFSMSRMM
```

Explanation: VTCS checked the volume status in DFSMSRMM for VTV *VVVVV* before mounting it as a scratch and discovered that the volume is not in scratch status in the DFSMSRMM database.

System Action: The mount continues.

User Response: None.

SLS6770E

```
Unable to determine DSNames for the CDS
```

Explanation: HSC and VTCS utilities use operating services READJFCB and LOCATE along with the Unified User Interface, to establish details of the CDS(s) specified in the utility JCL, and those used by HSC. One of these calls did not complete successfully.

System Action: The operation fails with RC=8.

User Response: Examine the utility JCL supplied for the SLUADMIN job and correct any errors. If the problem persists, contact StorageTek Software Support.

SLS6771E

Unable to allocate the Control Data Set

Explanation: A HSC or VTCS utility is being run, and has attempted unsuccessfully to communicate with the HSC address space to establish details of the currently active CDS(s), and to perform dynamic allocation on them. Reasons for this message include the following:

- HSC has not responded to the request.
- Dynamic allocation of a CDS has failed.
- HSC has reported that no CDSs are active.
- There is a discrepancy between the CDS(s) specified in JCL and those CDS(s) currently active to HSC.

System Action: The operation fails with RC=8.

User Response:

- If HSC is not active, and the JCL contains no DD statements, then either supply DD statement(s) for CDS(s) in the JCL, or ensure that HSC is active.
- If a utility that requires update access to the CDS (e.g., EXPORT) is being run, HSC is active and CDS(s) have been supplied in the JCL, then they do not match those currently active in the HSC subsystem. Either correct the DD statements in the JCL to match the HSC subsystem, or remove them. If the problem persists, contact StorageTek Software Support.

SLS6772E

Path *PPPPPPPP* to device *DDDD* is not supported by the VLE
LLLLLLLL

Explanation: The path named *PPPPPPPP* to device *DDDD* that has been defined in the VTCS configuration is not supported by the code level of the VLE *LLLLLLLL*.

System Action: The path to the device will be placed into an offline/maintenance state. If this is the only path to the device, then the device will also be placed into this state.

User Response: Either remove the device from the VTCS configuration or upgrade the code level of the VLE.

SLS6773I

DFSMSRMM inventory management in progress

Explanation: While attempting a DFSMSrmm CHANGEVOL command to change the status of a DFSMSrmm managed virtual tape volume, return code 12, reason code 24 was received. This indicates that DFSMSrmm BACKUP(AMS) is running, and updates to the DFSMSrmm CDS are not allowed.

System Action: For virtual MOUNT processing, the mount will be re-driven every five minutes while DFSMSrmm BACKUP(AMS) is running. For SCRATCH processing, the volume will be marked as SCRATCH in the HSC CDS, and will be marked as DFSMSrmm INITIALIZED when next mounted.

User Response: No user response is required. This message will be deleted when a subsequent DFSMSrmm CHANGEVOL command executes successfully.

If appropriate, this message may be avoided by specifying the DFSMSrmm command BACKUP(DSS) with the CONCURRENT option to enable updates to be performed while backup is executing.

SLS6774E

MVC *VVVVV*; No access to VTSS *NNNNNNNN*, unable to rename

Explanation: While attempting to change the name of the last mounted VTSS for MVC *VVVVV*, it was determined that VTSS *NNNNNNNN* was not accessible by the host running the MVCMAINT utility.

System Action: The utility fails with a return code of 8 for this MVC. If other MVCs were specified in the control statements, they will be processed.

User Response: Re-run the utility on a host that has access to VTSS *NNNNNNNN*.

SLS6775E

MVC *VVVVV*; VTSS name *NNNNNNNN* does not exist, unable to rename

Explanation: While attempting to change the name of the last mounted VTSS for MVC *VVVVV*, it was determined that the VTSS name *NNNNNNNN* did not exist on the system running the MVCMAINT utility.

System Action: The utility fails with a return code of 8 for this MVC. If other MVCs were specified in the control statements, they will be processed.

User Response: Re-run the utility and specify a valid VTSS name.

SLS6776I

DDname *dd_name* will be used for the manifest merge input file

Explanation: The DDname of **dd_name** was specified in the MERGEIN parm as input into the merge manifest utility. This is the DDname that is allocated to the manifest merge input file.

System Action: None.

User Response: None.

SLS6777I

DDname *dd_name* will be used for the manifest merge output file.

Explanation: The DDname of **dd_name** was specified in the MERGEOUT parm as input into the merge manifest utility. This is the DDname that is allocated to the cumulative manifest output file.

System Action: None.

User Response: None.

SLS6778E

The manifest input file contained no data, processing aborted.

Explanation: The merge utility found no VTV or MVC data associated with the input DDname specified in MERGMFST command statement.

System Action: The merge manifest utility ends with a condition code of 8.

User Response: Ensure that the correct file was specified as the manifest input file. Correct the file name and resubmit the merge utility.

SLS6779E

```
Failed to open DDname dd_name for manifest merge output file.
```

Explanation: The merge manifest utility failed to open the DDname *dd_name* specified for the manifest merge output file.

System Action: The merge manifest utility ends with a condition code of 12 and processing is aborted.

User Response: Ensure the validity of both the DDname and file name used for the manifest merge output file and resubmit the merge process.

SLS6780E

```
VTSS CONFIG error of NNNNNNNN AS VSMN : RRR
```

Explanation: VTCS has detected that VTSS *NNNNNNNN* is a VSM2 or VSM3, as indicated in the message. The configuration is invalid for reason *RRR*, which is one of:

- 'Over 8 RTD/CLINKs' - more than 8 RTDs/Clinks have been defined.
- 'Over 64 VTDs' - more than 64 VTDs have been defined.
- 'RTD odd interface *DDDDDDDD*' - RTD *DDDDDDDD* has been defined on an odd interface.
- 'CLINK odd interface *TTTTTTTT*' - a Clink connecting VTSS *NNNNNNNN* to VTSS *TTTTTTTT* has been defined on an odd interface.

System Action: Initialization of the VTSS is terminated and HSC processing continues with the VTSS set 'not accessible'.

User Response: Correct the configuration parameters, then run the VTCS CONFIG utility to redefine the VTCS configuration.

SLS6781

```
NNNN VOLSER_TYPE MVCVTV(S) are a result from manifest merge
processing
```

Explanation: A number of volser types, either VTVs or MVCs, resulted from merge processing. See the following SLS6727I messages for a list of the affected volsers.

System Action: None.

User Response: None.

SLS6782I

```
Duplicate manifest file (DD_NAME + NNNN) encountered while
processing concatenated input; file skipped.
```

Explanation: Manifest input processing detected a duplicate file within a concatenated list. A manifest file with an identical timestamp has been previously processed. *dd_name + :mv.nnn.emv.*is the relative file location, within the DDname's concatenation, of the duplicate file.

System Action: The duplicate file is skipped and processing continues.

User Response: Ensure the validity of the manifest input files.

SLS6783I

MVC *NNNN* VTV count is zero; considered drained

Explanation: While processing a concatenated list of input files, manifest input processing has produced a cumulative image of an MVC whose VTV count has gone to zero. This situation represents a logical drain of the MVC.

System Action: None.

User Response: None.

SLS6784I

The warranty on MVC *MMMMMM* has expired

Explanation: The warranty on MVC *MMMMMM* has expired, as it has been mounted 10,000 or more times.

System Action: The MVC status is changed to show the warranty expiration. The MVC remains eligible to be selected as an output MVC until it reaches End-of-Life, at which point the status is changed to Retired.

User Response: No action is required, though you may want to make plans for the future replacement of the MVC when it reaches End-of-Life.

SLS6785I

MVC *MMMMMM* has reached end-of-life. Status changed to RETIRED

Explanation: MVC *MMMMMM* has reached End-of-Life, as it has been mounted 11,000 or more times.

System Action: The MVC status is changed to Retired. The MVC is no longer eligible to be selected as an output MVC, though data can be read from it.

User Response: No action is required, though you may want to make plans for the future replacement of the MVC when it is empty.

SLS6786E

MVC *MMMMMM* is retired. Warranty status cannot be changed

Explanation: An attempt was made to change the warranty expiration status of MVC *MMMMMM* using MVCMAINT MVC(*MMMMMM*) WARRANTY(ON|OFF). The warranty of a Retired MVC must necessarily have expired. Changes to the warranty expiration status are therefore inapplicable.

System Action: The operation fails with RC=8.

User Response: None.

SLS6787E

VTV *VVVVVV* is *SIZE1* and resident in VTSS *SSSSSSSS*. However, the CDS records it as being *SIZE2*

Explanation: While processing VTV *VVVVVV*, VTCS has determined that the VTV is resident in VTSS *SSSSSSSS* where it is of size *size1*. However, this is contradicted by the information recorded in the CDS, where the VTV is shown to be *size2*. Each of *size1* and *size2* will be 800Mb or 400Mb.

System Action: Processing continues.

User Response: Report the problem to StorageTek Software Support.

SLS6788I

```
Invalid MIR reported for MVC MMMMMM on RTD RRRRRRRR
```

Explanation: RBL (Read Buffered Log) data from RTD *RRRRRRRR* indicates that MVC *MMMMMM* has an invalid MIR (Media Information Region).

System Action: The MVC record in the CDS is updated to show the MIR is invalid (the INVLDMIR flag is turned on). The MVC may still be selected for migration, but it will be depreferenced. For recall, VTCS will select the alternate MVC if one is available.

User Response: Recover the MIR by using the utility available through the operator panel for the transport, or by using the utility available through MPST, or by AUDITing the MVC. When the MIR has been recreated, run MVCMAINT MVC(*MMMMMM*) INVLDMIR(OFF) to turn the invalid MIR flag off.

SLS6789I

```
VTCS main task terminating due to internal shutdown request
```

Explanation: A VTCS task initiated VTCS shutdown after encountering an error that made it impossible for VTCS processing to continue. The error was reported in preceding message(s).

System Action: VTCS terminates.

User Response: Determine from the preceding message(s) the error that caused VTCS to shut down. Take any corrective action indicated by the message(s), then recycle HSC/VTCS.

SLS6790I

```
VTV VVVVVV found mounted during processing
```

Explanation: While performing a utility operation, the identified VTV *VVVVVV* was found to be in a mounted state.

System Action: A return code of 4 is set. Other operations may be attempted based on the function(s) being requested.

For DRAIN and RECLAIM operations, other MVCs will be processed as required.

User Response: Re-run the function when the VTV is no longer mounted.

SLS6791I

```
VTV VVVVVV associated with MVC VVVVVV exceeds two copies for
export
```

Explanation: VTV *VVVVVV* associated with MVC *VVVVVV* has been found to exceed the maximum number of VTV copies that may be exported to a VTCS system that does not support 4 migrated copies.

System Action: Processing continues.

User Response: None.

SLS6792I

```
Attempt to recall 800MB VTV VVVVV to VTSS XXXXXXXX failed -
not supported
```

Explanation: An attempt was made to recall an 800MB VTV to a VTSS that does not support it.

System Action: The recall request is failed.

User Response: Direct the recall to a VTSS that does support 800MB VTVs.

SLS6793I

```
Wanring - VTSS XXXXXXXX does not support 800MB VTVS
```

Explanation: VTCS has detected that VTSS *XXXXXXXX* is at a microcode level that does not support 800MB VTVs; however, the VTCS is configured to support 800MB VTVs.

System Action: Processing continues, but the creation of new 800MB VTVs will be suppressed (defaulted to 400MB).

User Response: If the creation of 800MB VTVs is required then either
1) have the VTSS upgraded to a supporting microcode level OR 2) Vary the VTSS offline and then restart VTCS.

SLS6794I

```
CDS type is not recognized
```

Explanation: VTCS has detected that the CDS associated with a decompile operation is not one supported by VTCS. Valid types are: Base, Extended, Extended (with VTCS V6 extensions).

System Action: The decompile process terminates.

User Response: Ensure that the target CDS has been successfully configured using the VTCS configuration process. Refer the problem to StorageTek Software Support if the CDS has been successfully configured.

SLS6795W

```
Unable to delete VTV VVVVV from VTSS SSSSSSSS
```

Explanation: Import was accessing an inactive CDS, i.e. a CDS that was not in use by any Hosts. VTV *VVVVV*, which was being imported, already existed in the CDS and was resident on VTSS SSSSSSSS. Import was unable to delete the 'old' copy of the VTV from the VTSS because this mode of import has no access to the VTSS.

Synchronization between the CDS and the VTSS is lost. Message SLS6797W is output for each VTSS reported in an SLS6795W message.

System Action: Processing continues. RC=4 is set for this VTV.

User Response: When HSC/VTCS is next active against the CDS, Audit the VTSS to re-establish synchronization between the CDS and the VTSS.

SLS6796E

```
Data space action of item VVVVV failed: RRR
```

Explanation: Import was accessing an inactive CDS, i.e. a CDS that was not in use by any Hosts.

Import failed to perform the specified action (read/update) against the indicated item (MVC or VTV, volser *VVVVVV*) in the data space to which the CDS had been copied, for the reason given (rrr). This indicates an internal processing error has occurred.

Reason is one of the following:

- "format conversion failed with RC=X'cc'" - conversion between internal formats failed with Return Code X'cc'.
- "format conversion returned volser C'cccccc'/X'xxxxxxxxxxxx'" - conversion between internal formats gave RC=0 but returned the wrong volume. C'cccccc'/X'xxxxxxxxxxxx' shows the returned volser in character and hex formats.
- "invalid location (X'pos1',X'pos2',X'pos3',X'pos4')" - the location to be accessed within the data space is invalid, as it is outside of the area containing this type of record (MVC/VTV). X'pos1' to X'pos4' are for Oracle internal use.
- "volser check failed - C'cccccc'/X'xxxxxxxxxxxx'" - the volume located within the data space did not match the volume being processed. C'cccccc'/X'xxxxxxxxxxxx' give the volser in the data space in character and hex formats.
- "record not found" - the volume was not located within the data space.

System Action: Processing continues. RC=8 is set for this item.

User Response: Contact StorageTek Software Support.

SLS6797W

```
Audit required flag has been set for VTSS SSSSSSSS
```

Explanation: Import was accessing an inactive CDS, i.e. a CDS that was not in use by any Hosts. One or more of the VTVs being imported already existed in the CDS and were resident on VTSS *SSSSSSSS*. Import was unable to delete the 'old' copy of these VTVs from the VTSS because this mode of import has no access to the VTSS. Message SLS6795W was output for each such VTV. Synchronization between the CDS and the VTSS is lost.

System Action: Processing continues.

User Response: When HSC/VTCS is next active against the CDS, Audit the VTSS to re-establish synchronization between the CDS and the VTSS.

SLS6798E

INACTCDS requires the CDS to be specified in JCL and to be
different from the CDS used by HSC

Explanation: A Batch utility specified INACTCDS on the control statement,
indicating that an inactive CDS was being used.

INACTCDS requires both of the following:

- the CDS to be used by the utility must be specified in the JCL (on SLSCNTL, and
  SLSCNTL2/SLSSTBY if appropriate, DD statement(s)).
- no Hosts to be using the CDS

System Action: The utility terminates.

User Response: Ensure that the JCL defines the CDS to be used by the utility and
that the CDS specified is not in use by HSC on any Host.

SLS6799E

IMMDRAIN(YES) is not supported with IMPORT to an inactive CDS

Explanation: Import was accessing an inactive CDS, i.e. a CDS that was not in use by
any Hosts. The IMPORT statement specified IMMDRAIN(YES), which is not
supported in this mode because there is no HSC/VTCS system to perform the
Drain(s).

System Action: The utility terminates.

User Response: If the imported MVCs need to be drained, ensure that HSC/VTCS
is running on this system using this CDS then rerun the utility. If the imported
MVCs do not need to be drained, remove IMMDRAIN(YES) then rerun the utility.

SLS6800E

Connection to CF STRUCTURE *SSS* failed. IXLCONN gave
RC=X'*CCCCCCCC*' RSN=X'*SSSSSSSS*'

Explanation: VTCS attempted to connect to coupling facility
structure *sss*, but received unacceptable return/reason codes
(X'*CCCCCCCC*'/X'*SSSSSSSS*') from the IXLCONN macro.

System Action: VTCS terminates.

User Response: Look up IXLCONN return code X'*CCCCCCCC*'
reason code X'*SSSSSSSS*' in the relevant IBM manual in order
to determine why the connect failed. If possible, correct the error then recycle
HSC/VTCS. Otherwise report this problem to StorageTek Software Support.

SLS6801E

AAAAAA failed against CF structure *SSS*. IXLLIST gave
RC=X'*CCCCCCCC*' RSN=X'*SSSSSSSS*'

Explanation: VTCS issued action *aaaaaa* against coupling
facility structure sss, but received unacceptable
return/reason codes (X'*CCCCCCCC*'/X'*SSSSSSSS*') from the IXLLIST macro.

The following shows the format of the IXLLIST macro issued
for each action:

```
Delete : IXLLIST REQUEST=DELETE,xx
Lock obtain : IXLLIST REQUEST=LOCK,LOCKOPER=SET,xx
Lock release : IXLLIST REQUEST=LOCK,LOCKOPER=RESET,xx
Read : IXLLIST REQUEST=READ,xx
Read Next Lock: IXLLIST REQUEST=LOCK,LOCKOPER=READNEXT,xx
Start Monitor : IXLLIST REQUEST=MONITOR_LIST,ACTION=START,xx
Stop Monitor : IXLLIST REQUEST=MONITOR_LIST,ACTION=STOP,xx
Write : IXLLIST REQUEST=WRITE,xx
```

System Action: VTCS issues an Abend, then continues.

User Response: Report this problem to StorageTek Software Support.

SLS6802E

CF structure *SSS* is full after formatting *MM* out of *NN* entries

Explanation: VTCS successfully connected to coupling
facility structure sss, then attempted to format all data
entries.The structure became full after *mm* of the *nn* data entries had
been written to the structure.

System Action: VTCS terminates.

User Response: Use mm and *nn* to calculate the factor by
which the size of the current structure needs to be
increased. When the structure has been re-defined with this
larger size, recycle HSC/VTCS.

SLS6803E

```
CF structure SSS shows host HHHH as inactive, but the CDS
shows it as active
```

Explanation: After successfully connecting to coupling facility structure sss, VTCS checks that each host shown as active in the CDS has updated its status in the structure. Host *HHHH* is shown as active in the CDS, but is not actively using the structure.

System Action: VTCS delays start-up, but continues to check the status of all hosts.VTCS will delete this message when the CDS and the structure show the same status for host *HHHH*.

User Response:

- None if host *HHHH* is in the process of starting up. VTCS will delete this message once the host updates its status in the structure.

- If the output from a 'D CDS' command shows host *HHHH* as active but HSC is definitely not running on that host, recover host *HHHH* from an active system. Once host *HHHH* has been recovered, re-issue 'D CDS' to check host *HHHH* is marked as 'assumed dead'. VTCS will delete this message when the CDS is next checked for the status of host *HHHH*.

- If host *HHHH* is fully active or host *HHHH* has been recovered and this message remains outstanding, report this problem to StorageTek Software Support.

SLS6804E

```
Correct the reported discrepancies, or reply T to terminate
VTCS on host HHHH
```

Explanation: After successfully connecting to coupling
facility structure *SSS* (named in message SLS6803E), VTCS
checks that each host shown as active in the CDS has updated
its status in the structure.

One or more hosts are shown as active in the CDS, but are not
actively using the structure. Each such host is reported in
message SLS6803E, output before this message.

System Action: VTCS delays start-up, but continues to check
the status of all hosts.

When the CDS and the coupling facility structure show the
same status for all hosts, VTCS will delete this message and
start-up will continue.

If this message is replied to with a 'T', VTCS will terminate
on this host (*HHHH*).

User Response: For each host listed in a SLS6803E message,
take the action described in the help text for message
SLS6803E.

If it is not possible to correct the discrepancy between the
status of the hosts in the CDS and the coupling facility
structure, report this problem to StorageTek Software Support. If you reply T to this
message, VTCS will terminate
on this host (*HHHH*) regardless of the status of the hosts in
the CDS and the coupling facility structure.

SLS6805E

NNN `host to host messages queued for host` *HHHH*`, as the CF`
`structure` *SSS* `list is full`

Explanation: This host is unable to send a host to host
message to host *HHHH* via coupling facility structure *SSS*,
because the structure list used to hold the messages for host
HHHH is full.There are now *NNN* such messages for host *HHHH* queued in
storage in this host.

System Action: VTCS continues checking the coupling facility
structure list. When the list is no longer full, VTCS will
write the queued messages to the list and delete this
message.

User Response:

■ If the output from a 'D CDS' command shows host *HHHH* as
active but HSC is definitely not running on that host,
recover host *HHHH* from an active system. Once host *HHHH*
has been recovered, re-issue 'D CDS' to check host *HHHH*
is marked as 'assumed dead'. VTCS will delete this
message when it next checks the CDS for the status of
host *HHHH*.

■ If host *HHHH* is fully active or host *HHHH* was recovered
and this message remains outstanding, report this problem
to StorageTek Software Support.

SLS6806E

`Disconnect from CF structure` *SSS* `failed. IXLDISC gave`
`RC=X'`*CCCCCCCC*`'  RSN=X'`*SSSSSSSS*`'`

Explanation: VTCS attempted to disconnect from coupling
facility structure sss, but received unacceptable
return/reason codes (X'*CCCCCCCC*'/X'*SSSSSSSS*') from the
IXLDISC macro.

System Action: VTCS terminates.

User Response: Report this problem to StorageTek Software Support.

SLS6807I

`A rebuild of CF structure` *SSS* `has been initiated`

Explanation: VTCS initiated a rebuild of coupling facility
structure sss in an alternate coupling facility after
detecting an error accessing the current coupling facility.
The error is described in the preceding SLS6801E message(s).

System Action: VTCS suspends access to the current coupling
facility structure while all hosts rebuild the structure in
an alternate coupling facility. When the rebuild is complete
on all hosts, VTCS processing will continue using the
alternate coupling facility.

User Response: None.

SLS6808E

Unable to initiate a rebuild of CF structure *SSS*. There is
no alternate CF available

Explanation: VTCS attempted to initiate a rebuild of
coupling facility structure sss in an alternate coupling
facility after detecting an error accessing the current
coupling facility. The error is described in the preceding
SLS6801E message(s).

The response to the rebuild request (macro IXLREBLD)
indicated no alternate coupling facility is available.

System Action: VTCS terminates.

User Response: Correct the problem with the coupling
facility, then recycle HSC/VTCS.

If the CFRM policy shows an alternate coupling facility
should be available, report this problem to StorageTek Software Support.

SLS6809E

Unable to initiate a rebuild of CF structure *SSS*. IXLREBLD
gave RC=X'*CCCCCCCC*' RSN=X'*SSSSSSSS*'

Explanation: VTCS attempted to initiate a rebuild of
coupling facility structure sss in an alternate coupling
facility after detecting an error accessing the current
coupling facility. The error is described in the preceding
SLS6801E message(s).

VTCS received unacceptable return/reason codes
(X'CCCCCCCC'/X'SSSSSSSS') from the IXLREBLD macro.

System Action: VTCS terminates.

User Response: Report this problem to StorageTek Software Support.

If the rebuild was initiated by MSP or VTCS due to an error
in the coupling facility (rather than by an operator
command), correct the error then recycle HSC/VTCS.

SLS6810I

Rebuild of CF structure *SSS* has started

Explanation: A rebuild of coupling facility structure sss
has started in response to an operator command or an error
detected by MSP or VTCS.

System Action: VTCS suspends access to the original
structure and begins rebuilding the data in a new structure.

User Response: None.

SLS6811E

Unable to participate in the rebuild of CF structure *SSS*.
IXLEERSP gave RC=X'*CCCCCCCC*' RSN=X'*SSSSSSSS*'

Explanation: VTCS is unable to participate in the rebuild of
coupling facility structure *SSS*, because it received
unacceptable return/reason codes (X'*CCCCCCCC*'/X'*SSSSSSSS*')
from the IXLEERSP (EVENT=REBLDQUIESCE) Macro.

System Action: VTCS terminates.

User Response: Report this problem to StorageTek Software Support, then recycle
HSC/VTCS.

SLS6812E

Unable to complete the rebuild of CF structure *SSS*. IXLREBLD
gave RC=X'*CCCCCCCC*' RSN=X'*SSSSSSSS*'

Explanation: VTCS was unable to inform MSP that the rebuild
of coupling facility structure sss is complete, because it
received unacceptable return/reason codes
(X'*CCCCCCCC*'/X'*SSSSSSSS*') from the IXLREBLD (REQUEST=COMPLETE) macro.

System Action: VTCS terminates.

User Response: Report this problem to StorageTek Software Support, then recycle
HSC/VTCS.

SLS6813E

Rebuild cleanup failed for CF structure *SSS*. IXLEERSP gave
RC=X'*CCCCCCCC*' RSN=X'*SSSSSSSS*'

Explanation: VTCS was unable to inform MSP that it had
performed cleanup after the rebuild of coupling facility
structure sss, because it received unacceptable return/reason
codes (X'*CCCCCCCC*'/X'*SSSSSSSS*') from the IXLEERSP (EVENT=
REBLDCLEANUP) Macro.

System Action: VTCS terminates.

User Response: Report this problem to StorageTek Software Support, then recycle
HSC/VTCS.

SLS6814E

The rebuild of CF structure *SSS* failed

Explanation: VTCS was unable to rebuild the data maintained
in storage on this host in coupling facility structure *SSS*
during structure rebuild.

System Action: VTCS issues an Abend, then terminates.

User Response: Report this problem to StorageTek Software Support, then recycle
HSC/VTCS.

SLS6815I

The rebuild of CF structure *SSS* is complete

Explanation: The rebuild of coupling facility structure *SSS* has been completed successfully.

System Action: VTCS coupling facility processing continues against the rebuilt structure.

User Response: None.

SLS6816E

Unable to stop the rebuild of CF structure *SSS*. IXLEERSP gave RC=X'*CCCCCCCC*' RSN=X'*SSSSSSSS*'

Explanation: MSP informed VTCS that the rebuild of coupling facility structure sss should be stopped. VTCS was unable to acknowledge to MSP that the rebuild should stop, because it received unacceptable return/reason codes (X'*CCCCCCCC*'/X'*SSSSSSSS*') from the IXLEERSP (EVENT=REBLDSTOP) macro.

System Action: VTCS continues with the rebuild.

User Response: Report this problem to StorageTek Software Support.

SLS6817I

The rebuild of CF structure *SSS* has been stopped

Explanation: MSP informed VTCS that the rebuild of coupling facility structure *sss* should be stopped. VTCS has successfully stopped the rebuild.

System Action: VTCS coupling facility processing continues against the original structure.

User Response: None.

SLS6818E

The CDS contains an unrecognized feature string (X'*HH*')

Explanation: The CDS uses a feature that was enabled by a PTF that has not been installed on this HSC/VTCS system. X'*hh*' shows the unsupported feature(s).

System Action: VTCS terminates.

User Response: Report this problem to StorageTek Software Support.

SLS6819I

```
Disconnecting from CF structure SSS because a rebuild is in
progress
```

Explanation: VTCS successfully connected to coupling
facility structure sss, which is in the process of being
rebuilt. The rebuild started before this host connected to
the structure, making it impossible for this host to
participate in the rebuild.

System Action: VTCS will disconnect from the coupling
facility, then retry the connection at a later time.

User Response: None if VTCS stays connected to the structure
once the rebuild is complete. Otherwise, report this problem
to StorageTek Software Support.

SLS6820E

```
Wrong length message (LLL/'MMM') received from host HHHH via
CF structure SSS
```

Explanation: VTCS received a host to host message from host
HHHH via coupling facility structure *SSS*, but the message was
not of the expected length. *LLL* and *MMM* show the length and
contents of the message.

System Action: VTCS ignores the host to host message.

User Response: Report this problem to StorageTek Software Support.

Special Conditions:

- If VTCS lock data is held in a Coupling Facility Structure (i.e. the VTCS
  configuration specifies LOCKSTR=*structure-name* on the GLOBAL statement):
  - The PTF that enables Coupling Facility access must be applied to **ALL**
    Hosts.
  - Hosts that do not have the PTF applied will be unable to process the
    CDS.
- VTCS start-up in an HSC/VTCS address space will Abend
  U1096/X'6A24', or output message SLS6818E and then terminate.
- VTCS utilities will terminate with RC=12 and message "SLS6606I CDS
  IS NOT CONFIGURED FOR VTCS" or message SLS6818E.
- If VTCS lock data is held in the CDS (i.e. the VTCS configuration
  does not specify LOCKSTR=structure-name on the GLOBAL statement), the PTF
  that enables Coupling Facility access may be applied to no
  Hosts, some Hosts or all Hosts.

SLS6821I

MGMTclas/STORCLAS *CCCCCCCC* is not defined

Explanation: A Management or Storage class filter *CCCCCCCC* was specified on a utility command statement, however, the class is not defined either in any required POLICYDD file or to the active VTCS system.

System Action: The current utility request is terminated.

User Response: Correct the filter class specification or ensure that the class is defined either to VTCS or any required POLICYDD file.

SLS6822I

MGMTclas *CCCCCCCC* does not specify any archive policies

Explanation: A Management Class filter *CCCCCCCC* was specified to the ARCHIVE utility; however the class does not contain any archive policies (ARCHAge and ARCHPol specifications).

System Action: The current utility request is terminated.

User Response: Correct the filter class specification or ensure that the class specifies archive policies.

SLS6823E

Unable to access MVC for recall of VTV *VVVVVV*

Explanation: While attempting to recall VTV *VVVVVV* to satisfy a mount request, VTCS could not successfully mount an MVC to perform the recall. The primary MVC may have had mount failures or VTCS may not have been able to read the MVC. Other MVC copies were unavailable as no RTD access to them existed when the recall was attempted.

System Action: The recall/mount terminates.

User Response: Check the HSC logs to determine what errors caused the MVC mount or read failures. Determine why VTCS could not access other MVC copies in order to satisfy the VTV recall request. When the access problems to the MVC(s) have been corrected, issue a manual HSC mount command to re-drive the request. If the reason for the failure is not understood, contact StorageTek Software Support.

SLS6824I

Parse error in Management Policy file POLICYdd *CCCCCCCC*

Explanation: An error was detected while parsing the Management Policy file. This message is followed by message SLS6603I detailing the precise error.

System Action: The current utility request is terminated.

User Response: Correct the Management Policy file definitions and re-run the utility request.

SLS6825E

CDS conversion incomplete. Rerun CONFIG

Explanation: VTCS has determined that a CONFIG has been started on the CDS requiring conversion of the CDS. The CONFIG did not complete.

System Action: VTCS terminates.

User Response: The CONFIG must be rerun to complete the CDS conversion before other HSC functions can be run.

SLS6826I

CDS conversion incomplete. CONFIG will complete CDS conversion

Explanation: VTCS CONFIG has determined that a previous CONFIG has been started on the CDS which required conversion of the CDS. This CONFIG did not complete successfully.

System Action: CONFIG will complete the conversion of the CDS.

User Response: None.

SLS6827I

Invalid Archive/Reconcil parameter *PPPPPPPP* value *CCCCCCCC*

Explanation: An error was detected while parsing the Archive/Reconcil utility statement. Parameter *PPPPPPPP* contains an invalid value *CCCCCCCC*.

System Action: The current utility request is terminated.

User Response: Correct the parameter value and re-run the utility request.

SLS6829I

AAAAAAA in management classes not supported by *RRRRRR*

Explanation: One or more of the management class definitions specified the attribute *AAAAAAA*. This attribute is supported by the CDS level but it cannot be implemented because a hardware or configuration error has occurred.

The attribute *AAAAAAA* can be one of "VTVPAGE(LARGE)", "MAXVTVSZ > 400MB", "MAXVTVSZ > 800MB", "REPLICAT(YES)", "REPLICAT(YES_SYNC)" or "Multiple replicates and SYNC replicate".

RRRRRRR is the reason for the failure and will contain "hardware" or "configuration".

System Action: Defaults will be applied to any VTVs created with these management classes.

User Response: If the reason for the failure is "hardware":

Some features will require upgrades to the microcode on the VTSSs in order for support to become available. Other features may be limited by the model type of the VTSS.

The output from the 'QUERY CONFIG' command will report the VTSS model and the ability of the VTSS to support the required features.

If the reason for the failure is "configuration":

The VTCS configuration error has a mismatch in RTD device types between the VTSSs in a cluster. Other error messages may have been displayed to provide additional information.

Examine the VTSS and CLUSTER definitions in the VTCS configuration to identify the cause of the problem.

The output from the 'QUERY CONFIG' command will report the VTSS model and the ability of the VTSS to support the required features.

SLS6830E

```
Configuration query of LSM AA:LL (containing RTD DDDD) failed
with RC=X'RRRRRRR'
```

Explanation: VTCS invoked the HSC configuration query service to obtain information about LSM *AA:LL* (that contains RTD *DDDD*). The query failed with Return Code X'*RRRRRRR*'. The information would have been used by the RTD allocation routines, though VTCS is able to allocate RTDs without this information.

System Action: VTCS processing continues.

User Response: Report this problem to StorageTek Software Support.

SLS6831I

```
Waiting for VTSS NNNNNNNN to complete initialization
```

Explanation: VTCS is waiting for VTSS *NNNNNNNN* to complete initialization during HSC/VTCS start-up. The initialization of the VTSS must complete before virtual processing can commence.

System Action: VTCS will continue to wait for the initialization to complete.

User Response: Check the HSC logs and SYSLOG to determine if any errors exist for VTD addresses associated with the VTSS. If any IOS*nnnn* messages exist for the VTD address(es) in question, determine if the errors are limited to a single path. If so, vary the affected path(s) offline. If the errors appear to affect all paths, a Vary nnnn,OFFLINE,FORCE command can be issued to attempt to bypass the device. Once the problem has been corrected, the device can be brought back online. It should not be necessary to re-start HSC/VTCS once the errors have been corrected and the VTD addresses are properly online. If the VTSS was taken offline, a VT Vary VTSS(nnnnnnnn) ONline can be issued to bring the VTSS online. If the errors cannot be resolved, contact StorageTek Software Support for assistance.

SLS6832I

```
Additional copies of VTV VVVVV retained because of status
change
```

Explanation: When performing a recall of VTV *VVVVVV,* there was an additional requirement to delete copies of the VTV from other MVCs. A check has failed at this point because the status of the VTV had changed since the command was originally issued.

System Action: Processing continues without the copies of the VTV having been deleted. This may result in subsequent errors or retry conditions.

User Response: This is only a warning. Because there is a significant delay between the validation performed when the command was issued and the time at which the deletion is attempted, it is quite possible for another request to update the VTV record and thus invalidate the original reason for the delete.

SLS6833I

```
VTV VVVVV deleted from MVC mvclist
```

Explanation: VTV *VVVVVV* has been deleted from the VTSS and logically deleted from the MVC(s) specified in *mvclist*.

System Action: VTCS continues with the next VTV to be processed.

User Response: No action necessary.

SLS6834I

VTV *VVVVVV* deleted

Explanation: VTV *VVVVVV* has been deleted from the VTSS.

System Action: VTCS continues with the next VTV to be processed.

User Response: No action necessary.

SLS6835I

VTV *VVVVVV* excluded - referenced within *NNN* days

Explanation: VTV *VVVVVV* has not been selected for deletion as it has been referenced within *NNN* days. *NNN* is the period of grace supplied via the NOTREF parameter, and signifies that VTVs that have been referenced within this period are not to be considered for deletion.

System Action: VTCS continues with the next VTV to be processed.

User Response: No action necessary.

SLS6836I

Duplicate *PPPPPPPP* *VVVVVVVV* ignored

Explanation: Value *VVVVVVVV* for parameter *PPPPPPPP* has been specified more than once within the DELETSCR command.

It has been detected more than once, but will only be processed once. *PPPPPPPP* is either scratch pool or VTSS.

System Action: VTCS continues processing each specified value once only.

User Response: No action necessary.

SLS6837E

Error updating VTV *VVVVVV*

Explanation: An unexpected response was received when attempting to write the VTV record back to the database.

System Action: VTCS terminates the request, and supplies return code 12.

User Response: Contact StorageTek Software Support.

SLS6838E

Unable to retrieve record for VTV *VVVVVV*

Explanation: An unexpected response was received when attempting to retrieve the VTV record from the database.

System Action: VTCS terminates the request, and supplies return code 12.

User Response: Contact StorageTek Software Support.

SLS6839E

Error logically deleting VTV *VVVVVV* from MVC(s)

Explanation: An unexpected response was received when attempting to logically delete VTV *VVVVVV* from MVCs to which the VTV has been migrated.

System Action: VTCS terminates the request, and supplies return code 12.

User Response: Contact StorageTek Software Support.

SLS6840I

Scratch pool definitions changed during program execution –
could not locate Scratch pool *PPPP*

Explanation: VTCS detects when a resource (either a VTV or an MVC) is being used
on either the same or a different host, waits until the resource becomes available, and
then re-drives the request. Within this waiting interval, the scratch pool definitions
have been re-loaded via the SCRPDEF command, and the new definitions do not
include the VTV that was being processed when the task was interrupted. VTCS
cannot therefore re-establish the point from which to continue processing. See
message SLS6841E for details of the VTV involved.

System Action: VTCS continues processing the request from the next supplied
scratch pool, and supplies return code 4 on termination.

User Response: Either re-load the original scratch pool definitions, or amend the
SCRPOOL parameter to include existing scratch pools, and re-run the DELETSCR
utility.

SLS6841I

Scratch pool for VTV *VVVVV* not found

Explanation: This message may be issued in conjunction with message SLS6840I and
specifies the VTV that was contained in a scratch pool that has been removed from
VTCS during program execution. If it was issued in conjunction with message
SLS6840I, the scratch pool has been removed. If message SLS6840I was not issued,
the scratch pool has been located, but re-defined to exclude the VTV.

System Action: VTCS continues processing the request from the next supplied
scratch pool, and supplies return code 4 on termination.

User Response: Please see message help for message SLS6840I.

SLS6842E

Unable to delete VTV *VVVVV* from VTSS *SSSS*

Explanation: An unexpected response was received when attempting to delete the
VTV from a VTSS.

System Action: VTCS terminates the request, and supplies return code 12.

User Response: Contact StorageTek Software Support.

SLS6843I

Unable to locate any VTVs in scratch pool *PPPP*

Explanation: Either the named scratch pool has not been defined to HSC, or the
scratch pool contains no VTVs.

System Action: VTCS ignores the unidentified scratch pool, continues processing
any remaining scratch pools supplied to the utility, and supplies return code 4.

User Response: Remove or correct the unidentified scratch pool and re-submit the
utility if necessary.

SLS6844E

```
Invalid range VVVV1 - VVVV2 specified
```

Explanation: The range of volumes *VVVV1-VVVV2* specified in the utility does not constitute a valid volume range.

System Action: The utility will fail and supply return code 12.

User Response: Correct the volume range in error and re-submit the utility.

SLS6845E

```
No valid MVCPOOLS have been defined
```

Explanation: No valid MVC Pools have been defined via the VT MVCDEF command. This is due to one of the following reasons:

- VT MVCDEF was not specified in SLSSYSxx and has never been entered as an operator command.
- VT MVCDEF was specified in SLSSYSxx or entered as an operator command, but the MVC Pool(s)) were not installed (and valid MVC Pool(s)) have not been installed previously).
- VT MVCDEF was specified in SLSSYSxx or entered as an operator command. The MVC Pool(s) were installed, but none of the volumes specified in the MVC Pool(s) are defined as MVCs in the VTCS Configuration (on MVCVOL statement(s)).

System Action: VTCS processing continues, though processing will be severely impacted due to an inability to migrate VTVs.

User Response:

- If VT MVCDEF was not specified in SLSSYSxx and has never been entered as an operator command, define one/more valid MVC Pool(s) then issue the VT MVCDEF command to load the MVC Pool definitions.
- If VT MVCDEF was specified in SLSSYSxx or entered as an operator command but the MVC Pool(s) were not installed, determine and correct the reason for the MVC Pool(s) not being installed (e.g. a syntax error in the command or the definition of the MVC Pool(s)).
- Then issue the VT MVCDEF command to reload the MVC Pool definitions.
- If VT MVCDEF was specified in SLSSYSxx or entered as an operator command and the MVC Pool(s) were installed but did not specify MVCs, ensure that the volumes specified in the MVC Pool(s) are defined as MVCs in the VTCS Configuration (on MVCVOL statement(s)). Then issue the VT MVCDEF command to reload the MVC Pool definitions.

SLS6846W

No default MVCPOOL (DEFAULTPOOL) has been defined

Explanation: All MVC Pool(s) defined via the VT MVCDEF command are named MVC Pool(s) (of the format MVCPool Volser(*VVVVVV*) NAME(*PPP*) ...). There are no unnamed MVC Pool(s) defined (of the format MVCPool Volser(*VVVVVV*) ..., without the NAME(*PPP*) parameter. VTCS gives the name DEFAULTPOOL to the pool of MVCs that are specified in unnamed MVC Pool(s).

This pool is used when migrating:

- VTVs that do not have a Management Class assigned (in which case the Storage Class name will be that of the VTSS from which the VTVs are being migrated), or
- To a Storage Class that does not specify an MVC Pool, or
- To Storage Class !ERROR (which occurs when a VTV has an undefined Management Class).

All such migrations will fail if the DEFAULTPOOL is not defined.

Even when not strictly necessary, it is useful to have a DEFAULTPOOL defined to allow for error situations.

System Action: VTCS processing continues.

User Response: Review the Storage Class definitions.

- If all Storage Classes specify an MVC Pool, a DEFAULTPOOL is not required but may still be defined to allow for error situations.
- If any Storage Class does not specify an MVC Pool, a DEFAULTPOOL is required.

If a DEFAULTPOOL is required (or desired to allow for error situations), define one/more unnamed MVC Pool(s) (of the format MVCPool Volser(*VVVVVV*) ..., without the NAME(*PPP*) parameter).

Then issue the VT MVCDEF command to reload the MVC Pool definitions.

SLS6847W

MVCPOOL *PPP* contains no volumes that are defined as MVCS

Explanation: None of the volumes specified in MVC Pool *PPP* are defined as MVCs in the VTCS Configuration (on MVCVOL statement(s)). All migrations that request an MVC from this MVC Pool will fail.

System Action: VTCS processing continues, but ignores the definition of MVC Pool *PPP*.

User Response: Correct or remove the definition of MVC Pool *PPP*, then issue the VT MVCDEF command to reload the MVC Pool definitions.

The definition should only be removed if this is not the DEFAULTPOOL and no Storage Classes specify this MVC Pool.

SLS6848W

STORCLAS *SSS* indicates MVCs are to be selected from undefined MVCPOOL *PPP*

Explanation: Storage Class *SSS* specifies/implies that MVCs are to be selected from MVC Pool *PPP*, but that MVC Pool is not defined.

The presence/absence of the MVCPool(*PPP*) parameter on the Storage Class definition indicates the MVC Pool from which MVCs are to be selected when migrating to that Storage Class.

- If the definition of Storage Class *SSS* is of the format STORclas NAME(*SSS*) MVCPool(*PPP*) ..., MVCs are to be selected from MVC Pool *PPP*.

- If the definition of Storage Class *SSS* is of the format STORclas NAME(*SSS*)... (without the MVCPool(*PPP*) parameter), MVCs are to be selected from MVC Pool DEFAULTPOOL.

  VTCS gives the name DEFAULTPOOL to the pool of MVCs that are specified in unnamed MVC Pool(s) (of the format MVCPool Volser(*VVVVVV*) ..., without the NAME(*PPP*) parameter.

  All migrations to Storage Class *SSS*, or that request an MVC from this MVC Pool, will fail.

System Action: VTCS processing continues.

User Response: If the MVC Pool specified/implied by the definition of Storage Class *SSS* is correct, add the definition of MVC Pool *PPP* to the MVC Pools then issue the VT MVCDEF command to reload the MVC Pool definitions.

If the MVC Pool specified/implied by the definition of Storage Class *SSS* is incorrect, correct the definition of Storage Class *SSS* then issue the MGMTDEF command to reload the Storage Class definitions.

SLS6849W

There are no MVCs in MVCPOOL *PPP* with the MEDIA specified on
STORCLAS *SSS*

Explanation: The definition of Storage Class *SSS* indicates that MVCs selected for
migration to that Storage Class must have specific media and be in MVC Pool *PPP*.

MVC Pool *PPP* is defined, but none of the MVCs in MVC Pool *PPP* have the
specified media.

All migrations to Storage Class *SSS* will fail. The media is specified by the
MEDIA(media-value(s)) parameter on the Storage Class definition.

The presence/absence of the MVCPool(*PPP*) parameter on the Storage Class
definition indicates the MVC Pool to be used.

- If the definition of Storage Class *SSS* is of the format STORclas NAME(*SSS*)
  MVCPool(*PPP*) ..., MVCs are to be selected from MVC Pool *PPP*.
- If the definition of Storage Class *SSS* is of the format STORclas NAME(*SSS*) ...
  (without the MVCPool(*PPP*) parameter), MVCs are to be selected from MVC Pool
  DEFAULTPOOL.

  VTCS gives the name DEFAULTPOOL to the pool of MVCs that are specified in
  unnamed MVC Pool(s) (of the format MVCPool Volser(*VVVVVV*) ..., without the
  'NAME(*PPP*)' parameter).

System Action: VTCS processing continues.

User Response: If Storage Class *sss* specifies the correct media and
specifies/implies the correct MVC Pool, correct the definition of MVC Pool *PPP* to
include MVCs of the requested media then issue the VT MVCDEF command to
reload the MVC Pool definitions.

If Storage Class *SSS* specifies the incorrect media and/or specifies/implies the
incorrect MVC Pool, correct the definition of Storage Class *SSS* then issue the
MGMTDEF command to reload the Storage Class definitions.

SLS6850E

STORCLAS *SSS* specifies unknown MEDIA X'*NN*'

Explanation: VTCS was unable to determine the media specified by Storage Class
SSS. X'*NN*' shows the code used within VTCS to describe this media type.

System Action: VTCS processing continues, ignoring the unknown media.

User Response: Report this problem to StorageTek Software Support.

SLS6851W

```
There are no RTDs in XXX capable of writing the MEDIA
specified on STORCLAS SSS
```

Explanation: If *XXX* in the message is 'ACS aa', the definition of Storage Class sss is of the format STORclas NAME(*SSS*) MEDIA(*MMM*) ACS(*aa*) ... but there are no RTDs in ACS *aa* capable of writing the specified media.

If *XXX* in the message is 'the configuration', the definition of Storage Class sss is of the format STORclas NAME(*SSS*) MEDIA(*MMM*) ... (without the ACS(*aa*) parameter) but there are no RTDs in the configuration capable of writing the specified media.

All migrations to Storage Class sss will fail.

System Action: VTCS processing continues.

User Response: Correct or remove the media and/or ACS specified on the definition of Storage Class sss in line with the media and ACSs that are supported by available RTDs, then issue the MGMTDEF command to reload the Storage Class definitions.

SLS6852I

```
STORCLAS information:
```

Explanation: Displays the response to a VT D STORCLas(*SSS*) command.
The output shows:

- INPLACE YES/NO specifications or those that are inherited from the RECLAIM CONFIG statement. The CDS must be at level H for this information to be displayed.
- The media, ACS, MVCPool and device type(s) specified/implied by the definition of Storage Class *SSS*.
- Any incompatibilities between the media/device type(s) required when migrating to this Storage Class and the media/device type(s) available.
- The VTVs awaiting auto/immediate migration from any VTSS to this Storage Class.

The following will/may be displayed:

- 'Summary of storage class *SSS*:' is output to show the Storage Class (*SSS*) being displayed.
- 'INPLACE(YES) set for storage class' is output when INPLACE(YES) is specified on the STORclas statement.
- 'INPLACE(NO) set for storage class' is output when INPLACE(NO) is specified on the STORclas statement.
- 'INPLACE not set for storage class, inherits RECLAIM value of YES/NO' is output when INPLACE is not specified on the STORclas statement and the storage class can include ALP media (T10KB or T10KC non-sport media).
- 'INPLACE not set for storage class' is output when INPLACE is not specified on the STORclas statement and the storage class does not include ALP media.
- 'MVCs must be in ACS *NN* and MVCPOOL *PPP* and be media type *MMM*' OR 'MVCs must be in MVCPOOL *PPP* and be media type *MMM*' OR 'MVCs must be in MVCPOOL *PPP*' is output to show the criteria that an MVC must satisfy in order to be used when migrating to this Storage Class. The criteria are taken/derived from the definition of Storage Class *SSS*.
- 'MVCPool *PPP* is not defined' is output only if the MVCPool (*PPP*) specified/implied by Storage Class *SSS* is undefined.
- 'The MVCs in MVCPool *PPP* are only of media type *MMM*' is output only if:
  - Storage Class *SSS* does not specify media, or
  - There is no overlap between the media (*MMM*) of the MVCs in MVCPool *PPP* and the media required when migrating to this Storage Class, or
  - There are no RTDs available in the configuration/ACS *AA* with device types capable of writing the media (*MMM*) contained in MVCPool *PPP*.
- 'MVCPool *PPP* contains no free MVCs (in any ACS/in ACS *NN*) (with the specified media)' is output only if MVCPool *PPP* contains MVCs with the media required when migrating to this Storage Class, but none of the MVCs are free (empty).
  - 'in any ACS' is output if no ACS was specified by the definition of Storage Class *SSS*. The search for free MVCs is limited to MVCs in an ACS.
  - 'in ACS *NN*' is output if ACS(*NN*) was specified by the definition of Storage Class *SSS*. The search for free MVCs is limited to MVCs in ACS *NN*.
  - '(with the specified media)' is output if media were specified by the definition of Storage Class *SSS*.

Migration to this Storage Class can be successful even if this message is output, as partially full (Used) MVCs of Storage Class *SSS* can be used (if there are any with the specified media and/or ACS).

Non-library MVCs within MVCPool *PPP* with the specified media may also be used (if there are any).

- 'RTDs can be any device type' OR 'RTDs must be device type *DDD*' is output to show the device type(s) that an RTD must have in order to be used when migrating to this Storage Class.

  The device type(s) are derived from the media specified/implied by Storage Class *SSS*.

- 'There are no RTDs defined in the configuration/ACS *AA*' is output only if there are no RTDs connected to any VTSS (in ACS *AA*)'.

  If Storage Class *SSS* specifies 'ACS(*AA*)', only ACS *AA* is checked for RTDs connected to a VTSS.

  If Storage Class *SSS* does not specify an ACS, all ACSs are checked for RTDs connected to a VTSS.

- 'The RTDs defined in the configuration/ACS *AA* are only of device type *DDD*' is output only if there is no overlap between the device type(s) (*DDD*) of the RTDs connected to any VTSS (in ACS *AA*) and:
  - the device type(s) required when migrating to this Storage Class, or
  - the device type(s) required to write the media contained in MVCPool *PPP*.

  If Storage Class *SSS* specifies 'ACS(*AA*)', only RTDs in ACS *AA* that are connected to a VTSS are checked.

  If Storage Class *SSS* does not specify an ACS, all RTD that are connected to a VTSS are checked.

- 'VTSS *TTT* has no RTDs defined (in ACS *AA*)' is output only if there are no RTDs connected to VTSS *TTT* (in ACS *AA*).

  '(in ACS *AA*)' is output only if Storage Class *SSS* specifies 'ACS(*AA*)'.

  If Storage Class *SSS* specifies 'ACS(*AA*)', only ACS *AA* is checked for RTDs connected to VTSS *TTT*.

  If Storage Class *SSS* does not specify an ACS, all ACSs are checked for RTDs connected to VTSS *TTT*.

- 'The RTDs connected to VTSS *TTT* (in ACS *AA*) are only of device type *DDD*' is output only if there is no overlap between the device type(s) (*DDD*) of the RTDs connected to VTSS *TTT* (in ACS *AA*) and the device type(s) required when migrating to this Storage Class.

  '(in ACS *AA*)' is output only if Storage Class *SSS* specifies 'ACS(*AA*)'.

  If Storage Class *SSS* specifies 'ACS(*AA*)', only RTDs in ACS *AA* that are connected to VTSS *TTT* are checked.

  If Storage Class *SSS* does not specify an ACS, all RTDs that are connected to VTSS *TTT* are checked.

- 'VTSS *TTT* has no suitable RTD online (in ACS *AA*)' is output only if there are RTDs connected to VTSS *TTT* (in ACS *AA*) with the device type(s) required when migrating to this Storage Class, but none of the RTDs are online.

  The RTDs are derived from:
  - the device type(s) required when migrating to this Storage Class, and/or
  - the device type(s) required to write the media contained in MVCPool *PPP*.

'(in ACS *AA*)' is output only if Storage Class *SSS* specifies 'ACS(*AA*)'.

If Storage Class *SSS* specifies 'ACS(*AA*)', only RTDs in ACS aa that are connected to VTSS *TTT* are checked.

If Storage Class *SSS* does not specify an ACS, all RTDs that are connected to VTSS *TTT* are checked.

- 'There are no VTVs queued for auto/immediate migration' is output only if there are no VTVs queued for auto/immediate migration (or that failed auto-migration previously) to this Storage Class from any VTSS.

- 'There are *NN* VTVs awaiting auto-migration from VTSS *TTT*' is output only if there are VTVs awaiting auto-migration to this Storage Class from VTSS *TTT*.

  If the DETail and/or MAXvtv parameters were specified, the VTV volsers will be listed.

- 'There are *NN* VTVs awaiting immediate migration from VTSS *TTT*' is output only if there are VTVs awaiting immediate migration to this Storage Class from VTSS *TTT*.

  If the DETail and/or MAXvtv parameters were specified, the VTV volsers will be listed.

- 'There are *NN* VTVs that failed auto-migration from VTSS *TTT*' is output only if there are currently no VTVs awaiting auto-migration to this Storage Class from VTSS *TTT*, but there were VTVs that failed auto-migration to this Storage Class from VTSS *TTT* previously.

  If the DETail and/or MAXvtv parameters were specified, the date and time of the previous failure and the VTV volsers will be listed.

- '(This list was in use when migration failed at dttm)' is output after 'There are *NN* VTVs that failed auto-migration from VTSS *TTT*' if the DETail and/or MAXvtv parameters were specified, to show the date and time (dttm) of the previous auto-migration failure.

- '*volsr1*, *volsr2*, *volsr3*, ... , *volsr8* ' OR '*volsr1* with MGMTCLAS *mgmt1*, *volsr2* with MGMTCLAS *mgmt2*' is output only if the DETail and/or MAXvtv parameters were specified and there are VTVs awaiting auto/immediate migration (or previously failed auto-migration) from VTSS *TTT*.

  The volser (and Management Class if it has one) of each VTV is listed, up to the display limit (set by MAXvtv(*NNNN*) or the default limit).

System Action: None.

User Response: None.

SLS6853E

```
Migration failed storage class: SSS ACS: AA VTSS: TTT -
MVCPOOL PPP is not defined
```

Explanation: VTCS was attempting to migrate to Storage Class SSS, but was unable to select an MVC because the MVC Pool (*PPP*) specified/implied by the Storage Class is not defined.

Message SLS6860I, output after this message, shows the definition of Storage Class SSS (including the MVC Pool specified/implied).

The presence/absence of the MVC Pool(*PPP*) parameter on the Storage Class definition indicates the MVC Pool to be used.

- If the definition of Storage Class *SSS* is of the format STORclas NAME(*SSS*) MVCPool(*PPP*) ..., MVCs are to be selected from MVC Pool *PPP*.
- If the definition of Storage Class SSS is of the format STORclas NAME(*SSS*) ... (without the MVCPool(*PPP*) parameter), MVCs are to be selected from MVC Pool DEFAULTPOOL.

    VTCS gives the name DEFAULTPOOL to the pool of MVCs that are specified in unnamed MVC Pool(s) (of the format MVCPool Volser(*VVVVVV*) ..., without the 'NAME(*PPP*)' parameter).

    The VTV(s) are being migrated from VTSS *TTT* to MVC(s) in ACS aa (ACS *FF* indicates any ACS).

System Action: For demand migration, the migration is terminated. For immediate or automatic migration, the migration will be retried.

User Response: If the MVC Pool specified/implied by the definition of Storage Class *SSS* is correct, add the definition of MVC Pool *PPP* to the MVC Pools then issue the VT MVCDEF command to reload the MVC Pool definitions.

If the MVC Pool specified/implied by the definition of Storage Class *SSS* is incorrect, correct the definition then issue the MGMTDEF command to reload the Storage Class definitions.

SLS6854E

```
Migration failed storage class: SSS ACS: AA VTSS: TTT - No
MVCs found for specified MEDIA
```

Explanation: VTCS was attempting to migrate to Storage Class *SSS*, but was unable to select an MVC because the MVCPool (*PPP*) specified/implied by the Storage Class contains no MVCs in ACS *aa* of the media specified by the Storage Class.

If the definition of the Storage Class does not specify an MVCPool, DEFAULTPOOL is implied.VTCS gives the name DEFAULTPOOL to the pool of MVCs that are specified in unnamed MVCPool(s).

Message SLS6860I, output after this message, shows the definition of Storage Class *SSS*.

The VTV(s) are being migrated from VTSS *TTT* to MVC(s) in ACS aa (ACS FF indicates any ACS).

System Action: For demand migration, the migration is terminated. For immediate or automatic migration, the migration will be retried.

User Response:

- Check the number/media of MVCs in MVCPool *PPP*.
- The VT QU MVCP NAME(*PPP*) command can be entered to display the number and type of each media present, by ACS, in MVCPool *PPP*.
- Check that all MVCs defined in MVCPool *PPP* are also defined in the configuration (on the MVCVOL statement(s)). MVCs will be used only if they are defined within both the MVCPool and the configuration. If necessary, make changes to the configuration (MVCVOL statement(s)).
- Check the status of MVCs in MVCPool *PPP*. Check for MVCs in MVCPool *PPP* that are the requested media and are in ACS aa and have read-only, ejected or data-check status.

  The MVC cache, a storage area maintained by VTCS to provide a fast look-up of MVC attributes when selecting an MVC for migration, does not record the media of MVCs that have read-only, ejected or data-check status.

  If necessary, change the status of the read-only or ejected MVCs.

- If MVCs have recently been added to MVCPool *PPP*, check the system security product.

  If MVCs that are the requested media and are in ACS aa have recently been added to MVCPool *PPP* (particularly if they have never been written to), check that the system security product allows write access to the MVCs.

  The MVC cache (see above) does not record the media of MVCs that the system security product denies write access to.

  If necessary, make changes to the system security product definitions.

- Check the definition of Storage Class *SSS*.
  - In particular, check the MEDIA(*MMM*) specified and the presence/absence of the MVCPool(*PPP*) parameter (if MVCPool(*PPP*) is not specified, MVCpool DEFAULTPOOL is used).
  - The VT Display STORCL(*SSS*) command can be entered to display the Storage Class definition and each media type present in MVCPool *PPP*.

- If the definition of Storage Class *SSS* is incorrect, correct the definition then issue the MGMTDEF command to reload the Storage Class definitions.
- If the definition of Storage Class *SSS* is correct, add more MVCs with the requested media within the specified ACS to MVCPool *PPP* then issue the VT MVCDEF command to reload the MVCPool definitions.

SLS6855E

```
Migration failed storage class: SSS ACS: AA VTSS: TTT - No
MVCs found for specified MEDIA/SC/ACS
```

Explanation: VTCS was attempting to migrate to Storage Class *SSS*, but was unable to select an MVC because the MVCPool (*PPP*) specified/implied by the Storage Class contains MVCs of the media specified by the Storage Class, but those MVCs:

- Were not in ACS *AA*, and/or

- Were in ACS aa but there are no online RTDs in ACS aa connected to VTSS *TTT* that can write the specified media, and/or

- Could not be selected for migrations to Storage Class *SSS*.

  An MVC can be selected for migration to Storage Class *SSS* only if it is empty (Free) or if it is partially full (Used) of VTVs that were migrated to Storage Class *SSS*.

  An MVC can not be selected for migration to Storage Class *SSS* if it is partially full of VTVs that were migrated to a different Storage Class.

  If the definition of the Storage Class does not specify an MVCPool, DEFAULTPOOL is implied. VTCS gives the name DEFAULTPOOL to the pool of MVCs that are specified in unnamed MVCPool(s).

Message SLS6860I, output after this message, shows the definition of Storage Class *SSS*.

The VTV(s) are being migrated from VTSS *TTT* to MVC(s) in ACS *AA* (ACS FF indicates any ACS).

System Action: For demand migration, the migration is terminated. For immediate or automatic migration, the migration will be retried.

User Response:

- Check the RTDs in ACS *AA*.

  Ensure there are RTDs online in ACS aa that can write the specified media.If necessary, vary online a suitable RTD.

- Check the number/media of MVCs in MVCPool *PPP*.

  The VT QU MVCP NAME(*PPP*) command can be entered to display the number and type of each media present, by ACS, in MVCPool *PPP*.

- Check the status of MVCs in MVCPool *PPP*.

  Check for MVCs in MVCPool *PPP* that are the requested media and are in ACS *AA* and have read-only, ejected or data-check status.

  The MVC cache, a storage area maintained by VTCS to provide a fast look-up of MVC attributes when selecting an MVC for migration, does not record the media of MVCs that have read-only, ejected or data-check status.

  If necessary, change the status of the read-only or ejected MVCs.

- If MVCs have recently been added to MVCPool *PPP*, check the system security product.

  If MVCs that are the requested media and are in ACS aa have recently been added to MVCPool *PPP* (particularly if they have never been written to), check that the system security product allows write access to the MVCs.

  The MVC cache (see above) does not record the media of MVCs that the system security product denies write access to.

  If necessary, make changes to the system security product definitions.

- Check the definition of Storage Class *SSS*.

  Check the MEDIA(*MMM*) and ACS(*AA*) specified and the presence/absence of the MVCPool(*PPP*) parameter (if MVCPool(*PPP*) is not specified, MVCpool DEFAULTPOOL is used).

  The VT Display STORCL(*SSS*) command can be entered to display the Storage Class definition and each media type present in MVCPool *PPP*.

  If the definition of Storage Class *SSS* is incorrect, correct the definition then issue the MGMTDEF command to reload the Storage Class definitions.

  If the definition of Storage Class *SSS* is correct:

  - Add more MVCs that are the specified media and are within ACS *AA* to MVCPool *PPP* then issue the VT MVCDEF command to reload the MVCPool definitions, and/or

  - If possible, use RECLaim to free up some MVCs that are the specified media and are within ACS *AA*.

SLS6856E

```
Migration failed storage class: SSS ACS: AA VTSS: TTT - No
usable MVCs found for specified MEDIA/SC/ACS
```

Explanation: VTCS was attempting to migrate to Storage Class *SSS*, but was unable to select an MVC because the MVCPool (*PPP*) specified/implied by the Storage Class contains MVCs, of the specified media in ACS aa, that can be used for migrations to Storage Class *SSS*, but those MVCs were unusable. Reasons for an MVC being unusable include:

- The MVC is full.
- The MVC contains insufficient free space to contain the VTV being migrated.

  If the definition of the Storage Class does not specify an MVCPool, DEFAULTPOOL is implied. VTCS gives the name DEFAULTPOOL to the pool of MVCs that are specified in unnamed MVCPool(s).

  Message SLS6860I, output after this message, shows the definition of Storage Class *SSS*.

  The VTV(s) are being migrated from VTSS *TTT* to MVC(s) in ACS *AA* (ACS FF indicates any ACS).

System Action: For demand migration, the migration is terminated. For immediate or automatic migration, the migration will be retried.

User Response:

- Check the RTDs in ACS *AA*.

  Ensure there are RTDs online in ACS aa that can write the specified media.If necessary, vary online a suitable RTD.

- Check the number/media of MVCs in MVCPool *PPP*.

  The VT QU MVCP NAME(*PPP*) command can be entered to display the number and type of each media present, by ACS, in MVCPool *PPP*.

- Check the status of MVCs in MVCPool *PPP*.

  Check for MVCs in MVCPool *PPP* that are the requested media and are in ACS *AA* and have read-only, ejected or data-check status.

  The MVC cache, a storage area maintained by VTCS to provide a fast look-up of MVC attributes when selecting an MVC for migration, does not record the media of MVCs that have read-only, ejected or data-check status.

  If necessary, change the status of the read-only or ejected MVCs.

- If MVCs have recently been added to MVCPool *PPP*, check the system security product.

  If MVCs that are the requested media and are in ACS aa have recently been added to MVCPool *PPP* (particularly if hey have never been written to), check that the system security product allows write access to the MVCs.

  The MVC cache (see above) does not record the media of MVCs that the system security product denies write access to.

  If necessary, make changes to the system security product definitions.

- Check the definition of Storage Class *SSS*.

  Check the MEDIA(*MMM*) and ACS(*AA*) specified and the presence/absence of the MVCPool(*PPP*) parameter (if MVCPool(*PPP*) is not specified, MVCpool DEFAULTPOOL is used).

The VT Display STORCL(*SSS*) command can be entered to display the Storage Class definition and each media type present in MVCPool *PPP*.

If the definition of Storage Class *SSS* is incorrect, correct the definition then issue the MGMTDEF command to reload the Storage Class definitions.

If the definition of Storage Class *SSS* is correct:

- Add more MVCs that are the specified media and are within ACS *AA* to MVCPool *PPP* then issue the VT MVCDEF command to reload the MVCPool definitions, and/or

- If possible, use RECLaim to free up some MVCs that are the specified media and are within ACS *AA*.

SLS6857E

```
Migration failed storage class: SSS ACS: AA VTSS: TTT - No
RTDs for requested MEDIA and ACS
```

Explanation: VTCS was attempting to migrate to Storage Class *SSS*, but was unable to find an RTD that:

- Is within the specified ACS(s), and

- Is connected to VTSS *TTT*, and

- Can write the media requested by the Storage Class.

Message SLS6860I, output after this message, shows the definition of Storage Class *SSS*.

The VTV(s) are being migrated from VTSS *TTT* to MVC(s) in ACS *AA* (ACS FF indicates any ACS).

System Action: For demand migration, the migration is terminated. For immediate or automatic migration, the migration will be retried.

User Response: Change the media and/or ACS specified in the definition of Storage Class *SSS* in line with the RTDs that are connected to VTSS *TTT*, then issue the MGMTDEF command to reload the Storage Class definitions.

SLS6858E

```
Migration failed storage class: SSS ACS: AA VTSS: TTT - All
RTDs for requested MEDIA and ACS are offline
```

Explanation: VTCS was attempting to migrate to Storage Class *SSS*, but was unable to find an online RTD that:

- Is within the specified ACS(s), and
- Is connected to VTSS *TTT*, and
- Can write the media requested by the Storage Class.

Message SLS6860I, output after this message, shows the definition of Storage Class *SSS*.

The VTV(s) are being migrated from VTSS *TTT* to MVC(s) in ACS *AA* (ACS FF indicates any ACS).

System Action: For demand migration, the migration is terminated. For immediate or automatic migration, the migration will be retried.

User Response: Issue the VT VARY RTD(*RRRR*) ONLINE command to bring online an RTD that:

- Is within the ACS(s) specified on the Storage Class definition (if applicable), and
- Is connected to VTSS *TTT*, and
- Can write the media requested by the Storage Class.

SLS6859E

```
Migration failed storage class: SSS ACS: AA VTSS: TTT -
Unknown reason (X'NN')
```

Explanation: VTCS was attempting to migrate to Storage Class *SSS*, but was unable to select an MVC due to an internal error reason (X'*NN*').

The VTV(s) are being migrated from VTSS *TTT* to MVC(s) in ACS *AA* (ACS FF indicates any ACS).

System Action: For demand migration, the migration is terminated. For immediate or automatic migration, the migration will be retried.

User Response: Report this problem to StorageTek Software Support.

SLS6860I

```
Additional information:
```

Explanation: Output after any message that indicates a failure to select an MVC for migration (SLS6853E-SLS6859E),to give additional information that may be of use in determining why the failure occurred.

The output shows:

- The media, ACS, MVCPool and device type(s) specified/implied by the definition of Storage Class *SSS*.
- Any incompatibilities between the media/device type(s) required when migrating to this Storage Class and the media/device type(s) available.
- The next VTV scheduled for auto/immediate/demand migration from VTSS *TTT* to this Storage Class.

The following will/may be displayed:

- 'Storage Class: *SSS* ACS: *AA* VTSS: *TTT*' is output so that this message may be related to the SLS6853E-SLS6859E message issued previously which also outputs this information.
- 'Next auto-migration VTV: *VVVVVV* (with MGMTCLAS *CCCCCCCC*)' is output to show the volser (*VVVVVV*) and MGMTCLAS (*CCCCCCCC*, if the VTV has one) of the next VTV scheduled for auto-migration from VTSS *TTT* (if applicable).
- 'Next immediate migration VTV: *VVVVVV* (with MGMTCLAS *CCCCCCCC*)' is output to show the volser (*VVVVVV*) and MGMTCLAS (*CCCCCCCC*, if the VTV has one) of the next VTV scheduled for immediate migration from VTSS *TTT* (if applicable).
- 'Next migration VTV: *VVVVVV* (with MGMTCLAS *CCCCCCCC*)' is output to show the volser (*VVVVVV*) and MGMTCLAS (*CCCCCCCC*, if the VTV has one) of the next VTV scheduled for demand migration from VTSS *TTT* (if applicable).

Note – By the time migration to Storage Class *SSS* from VTSS *TTT* is next successful, VTCS may select a VTV other than the one listed under 'Next (auto/immediate) migration VTV:' as being the next one to be migrated.

- 'MVC must be in ACS *AA* and MVCPOOL *PPP* and be media type *MMM*' OR 'MVC must be in MVCPOOL *PPP* and be media type *MMM*' OR 'MVC must be in MVCPOOL *PPP*' is output to show the criteria that an MVC must satisfy in order to be used when migrating to this Storage Class. The criteria are taken/derived from the definition of Storage Class *SSS*.

  'ACS *AA*' is output only if Storage Class *SSS* specifies 'ACS(*AA*)'.

  'media type *MMM*' is output only if Storage Class *SSS* specifies 'MEDIA(*MMM*)'.

  'MVCPOOL *PPP*' is always output. If Storage Class *SSS* does not specify an MVCPool, DEFAULTPOOL is implied.

- 'MVCPool *PPP* is not defined' is output only if the MVCPool (*PPP*) specified/implied by Storage Class *SSS* is undefined.

- 'RTD can be any device type' OR 'RTD must be device type *DDD*' is output to show the device type(s) that an RTD must have in order to be used when migrating to this Storage Class.

  The device type(s) are derived from the media specified/implied by Storage Class *SSS*.

- 'The MVCs in MVCPool *PPP* are only of media type *MMM*' is output if:

- Storage Class *SSS* does not specify media, or
- there is no overlap between the media (*MMM*) of the MVCs in MVCPool *PPP* and the media required when migrating to this Storage Class, or
- there are no RTDs available in the configuration/ACS *AA* with device types capable of writing the media (*MMM*) contained in MVCPool *PPP*.

- 'MVCPool *PPP* contains no free MVCs (in any ACS/in ACS *NN*) (with the specified media)' is output only if MVCPool *PPP* contains MVCs with the media required when migrating to this Storage Class, but none of the MVCs are free (empty).
  - 'in any ACS' is output if no ACS was specified by the definition of Storage Class *SSS*. The search for free MVCs is limited to MVCs in an ACS.
  - 'in ACS *NN*' is output if ACS(*NN*) was specified by the definition of Storage Class *SSS*. The search for free MVCs is limited to MVCs in ACS *NN*.
  - '(with the specified media)' is output if media were specified by the definition of Storage Class *SSS*.

  Migration to this Storage Class can be successful even if this message is output, as partially full (Used) MVCs of Storage Class *SSS* can be used (if there are any with the specified media and/or ACS).

  Non-library MVCs within MVCPool *PPP* with the specified media may also be used (if there are any).

- 'VTSS *TTT* has no RTDs defined (in ACS *AA*)' is output only if there are no RTDs connected to VTSS *TTT* (in ACS *AA*). '(in ACS *AA*)' is output only if Storage Class *SSS* specifies 'ACS(*AA*)'.

  If Storage Class *SSS* specifies 'ACS(*AA*)', only ACS *AA* is checked for RTDs connected to VTSS *TTT*.

  If Storage Class *SSS* does not specify an ACS, all ACSs are checked for RTDs connected to VTSS *TTT*.

- 'The RTDs defined in the configuration/ACS *AA* are only of device type *DDD*' is output if there is no overlap between the device type(s) (*DDD*) of the RTDs connected to any VTSS (in ACS *AA*) and:
  - the device type(s) required when migrating to this Storage Class, or
  - the device type(s) required to write the media contained in MVCPool *PPP*.

  '(in ACS *AA*)' is output only if Storage Class *SSS* specifies 'ACS(*AA*)'.

  If Storage Class *SSS* specifies 'ACS(*AA*)', only RTDs in ACS *AA* that are connected to VTSS *TTT* are checked.

  If Storage Class *SSS* does not specify an ACS, all RTDs that are connected to VTSS *TTT* are checked.

- 'VTSS *TTT* has no suitable RTD online (in ACS *AA*)' is output only if there are RTDs connected to VTSS *TTT* (in ACS *AA*) with the device type(s) required but none of the RTDs are online.

  The RTDs device types are those that are required to:

  - migrate to this Storage Class,
  - restricted to the media contained in MVCPool *PPP* that match the Storage Class media specification.

  '(in ACS *AA*)' is output only if Storage Class *SSS* specifies 'ACS(*AA*)'.

  If Storage Class *SSS* specifies 'ACS(*AA*)', only RTDs in ACS *AA* that are connected to VTSS *TTT* are checked.

  If Storage Class *SSS* does not specify an ACS, all RTDs that are connected to VTSS *TTT* are checked.

System Action: None

User Response: Use the original error message (SLS6853E-SLS6859E) and its help text and the information output by this message to diagnose why an MVC could not be selected for migration.

SLS6861E

VTV *VVVVV* has VTVPAGE(*SIZE1*) and resident in VTSS *SSSSSSSS*, the CDS indicates VTVPAGE(*SIZE2*)

Explanation: Whilst processing VTV *VVVVV*, VTCS has determined that the VTV is resident in VTSS SSSSSSSS where it is stored with a page size of SIZE1. However, this is contradicted by the information recorded in the CDS, where the VTV is shown to be stored with a page size of SIZE2. Each of SIZE1 and SIZE2 will be LARGE or STANDARD.

System Action: Processing continues.

User Response: Contact StorageTek software support.

SLS6862E

RRR VVVVV attribute *AAAAAAA* not supported by output CDS

Explanation: The VTV/MVC record for volume *VVVVV* has an attribute that is not supported by the CDS level or the CDS configuration being written to. Allowing it to be written to the output CDS could cause compatibility issues with lower releases of VTCS. The attribute *AAAAAAA* can be one of ">32000 VTVs", "VTVPAGE=LARGE", "MAXVTVSZ=2000/4000" or "INPLACE".

System Action: Processing aborts once all VTVs and MVCs have been checked.

User Response: Upgrade the CDS level using the VTCS CONFIG utility. For import, there is also the option of excluding the reported VTVs and MVCs by the use of parameters.

SLS6863W

VTSSSEL function *FFF* (RECORD *RRR*) specifies undefined MVCPOOL *PPP*

Explanation: A VTSSSEL rule for function *FFF* specifies MVC Pool *PPP*, but that MVC Pool is not defined. The specification of this rule ends on record *RRR* within the MGMTDEF data set.

System Action: VTCS processing continues.

User Response: If the MVC Pool specified by the VTSSSEL rule is correct, add the definition of MVC Pool *PPP* to the MVC Pools then issue the VT MVCDEF command to reload the MVC Pool definitions.

If the MVC Pool specified by the VTSSSEL rule is incorrect, correct the definition of the VTSSSEL rule then issue the MGMTDEF command to reload the VTSSSEL rules.

SLS6864E

Setting the VTCS status to *SSSSSSSS* failed with RC=X'*RRRRRRRR*'

Explanation: VTCS attempted to set its status in the CDS to *SSSSSSSS* (ACTIVE when initializing, INACTIVE when terminating), but the request failed with Return Code X'*RRRRRRRR*'.

System Action: VTCS terminates.

User Response: Report this problem to StorageTek Software Support.

SLS6865E

The CDS has been updated with feature(s) (X'*HH*') that are not supported by this version of CONFIG/DECOM

Explanation: A higher level system has updated the CDS with features (X'*HH*') that are not supported by this version of CONFIG/DECOM. HSC/VTCS at this version is able to run against the CDS.

System Action: The utility terminates with Return Code 12 for CONFIG or Return Code 8 for DECOM.

User Response: Use the latest version of CONFIG/DECOM to process the CDS.

SLS6867I

RTDs are now available that are capable of writing the MEDIA specified on all storage classes

Explanation: Message 'SLS6851W There are no RTDs in the configuration/ACS aa capable of writing the media specified on STORCLAS *SSS*' was output earlier for one/more Storage Classes. That error no longer exists, due to changes in the device types available in the configuration/ACS aa.

System Action: VTCS processing continues.

User Response: None.

SLS6868I

CLINK *XXXXXXXX*/*NN* exported VTV *VVVVV* to remote VTSS *RRRRRRRR*

Explanation: This message confirms that VTV *VVVVV* has been electronically exported to remote VTSS *RRRRRRRR* via the CLINK configured as *NN* in VTSS *XXXXXXXX*.

System Action: None.

User Response: None.

SLS6869I

Importing VTV *VVVVV* from *HHHHHHHH* MGMTCL:*MMMMMMMM*

Explanation: This message confirms that VTV *VVVVV* is being imported from host *HHHHHHHH* MGMTCLAS: *MMMMMMMM*

System Action: None.

User Response: None.

SLS6870I

Sync export {SUCCESSFUL|FAILED|DROPPED} for VTV *VVVVV* from VTSS *FFFFFFFF* to tapeplex *PPPPPPPP*/*TTTTTTTT*

Explanation: VTCS has discovered the synchronous export attempt for VTV *VVVVV* from VTSS *FFFFFFFF* to VTSS *TTTTTTTT* in tapeplex *PPPPPPPP* has either succeeded, failed or been dropped. A dropped condition exists when synchronous export is initiated and either times out or does not report failed.

System Action: For successful VTV synchronous exports no further action is taken. If the attempt has failed or been dropped VTCS will recover the associated CLINK and secondary VTD and drive one asynchronous export attempt for the failed VTV.

User Response: None.

SLS6871I

MGMTclas *MMMMMMMM*, parameter *XXXX* incorrectly refers to *SSSSSSSS*

Explanation: The definition for the management class *MMMMMMMM* has a parameter called *XXXX* that incorrectly refers to *SSSSSSSS*. Typically *SSSSSSSS* is the name of a storage class definition. It maybe that the storage class definition is missing or is invalid in the context of the parameter *XXXX*.

System Action: The utility fails.

User Response: Check and correct the management and storage class definitions.

SLS6874I

TTT

Explanation: Output after message SLS6824I to detail the error found (*TTT*) in the Management Policy file definitions.

System Action: The current utility request is terminated.

User Response: Correct the Management Policy file definitions and rerun the utility request.

SLS6875E

```
LISTDELR is not valid with this CDS (level l)
```

Explanation: The DECOM LISTDELR keyword was specified. LISTDELR is valid only with a CDS of level G or above, whereas this CDS is level l.

System Action: DECOM terminates with a non-zero Return Code.

User Response: Remove the LISTDELR keyword and re-run DECOM.

SLS6876E

```
AAA of CDS records for range RRR failed with return code
X'CCCCCCCC'
```

Explanation: An internal service routine failed with Return Code X'CCCCCCCC' when VTCS was initializing/updating the CDS records for range *RRR*.

If *AAA* is Initialization, range *RRR* will not have been added to the CDS successfully.

If *AAA* is Updating, one/more of the records in range *RRR* will not have been added to/deleted from the CDS in line with the range being specified/not specified (respectively) in the CONFIG input.

System Action: CONFIG terminates with a non-zero Return Code.

User Response: Check the output for other error messages that may explain this error (e.g. the CDS is full). Take any relevant corrective action. If the error can not be corrected, contact StorageTek software support.

SLS6877E

```
AAAAA of CDS record NNN DDD subfile SSS failed with Return
Code X'CCCCCCCC'
```

Explanation: A read/write (*AAAAA*) of CDS record *NNN* from/to (*DDD*) subfile *SSS* failed with Return Code X'CCCCCCCC'.

System Action: CONFIG terminates with a non-zero Return Code.

User Response: Check the output for other error messages that may explain this error (e.g. the CDS is full). Take any relevant corrective action.If the error can not be corrected, contact StorageTek software support.

SLS6878E

TTT *VVVVVV* (in range *RRR*) can not be deleted because *BBB*

Explanation: CONFIG could not delete volume *VVVVVV*, which is in range *RRR* and of type *TTT* (MVC/VTV), from the CDS for the reason given (*BBB*).

CONFIG was attempting to delete each volume in the range because the range was not defined on this execution of CONFIG, though it had been defined to the CDS in a previous execution of CONFIG.

Reason is one of:

- it is mounted -

  The MVC or VTV is mounted on a RTD or VTD respectively. MVCs and VTVs can not be deleted when they are being used.

- is not empty -

  The MVC contains one/more VTVs, or contains no VTVs but VTCS has not completed the clean-up process for the MVC.

  MVCs can be deleted only when they are not in use and are empty and VTCS has completed the clean-up process for the MVC.

- it is resident in a VTSS -

  VTVs can be deleted only when they are not in use and are not resident in any VTSS and there are no migrated copies of the VTV and the VTV is not in use.

- there are migrated copies of the VTV -

  VTVs can be deleted only when they are not in use and are not resident in any VTSS and there are no migrated copies of the VTV and the VTV is not in use.

- the volume is being used -

  The MVC or VTV is in use (locked) by an HSC/VTCS system. VT QU LOCKS will show which system is using the volume.

  MVCs and VTVs can not be deleted when they are being used.

System Action: CONFIG terminates with a non-zero Return Code.

User Response: Check that the CONFIG input is correct, as this determines which ranges are to be deleted.

Ensure all MVCs to be deleted are not in use and are empty.

If this message shows an MVC as not being empty, drain the MVC.

Ensure all VTVs to be deleted are not in use and are not resident in any VTSS and do not have migrated copies.

When all MVCs and VTVs to be deleted are in the correct state, re-run CONFIG.

SLS6879E

```
Connection to CF Structure SSS failed. IXLCONN gave RC=
X'CCCCCCCC' RSN=X'SSSSSSSS'
```

Explanation: A VTCS utility attempted to connect to coupling facility structure *SSS*, but received unacceptable return/reason codes (X'CCCCCCCC'/X'SSSSSSSS') from the IXLCONN macro.

System Action: The utility terminates with a non-zero Return Code.

User Response: Look up IXLCONN return code X'CCCCCCCC' reason code X'SSSSSSSS' in the relevant IBM manual in order to determine why the connect failed. If possible, correct the error then re-run the utility. Otherwise report this problem to StorageTek software support.

SLS6880E

```
Disconnecting from CF Structure SSS because a rebuild is in
progress
```

Explanation: Whilst connecting to coupling facility structure *SSS* or accessing data in the structure, a VTCS utility determined that the structure is in the process of being rebuilt.

System Action: The utility will disconnect from the coupling facility without completing its processing and terminate with a non-zero Return Code.

User Response: Once the rebuild is complete, re-run the utility.

SLS6881E

```
AAAAAA failed against CF Structure SSS. IXLLIST gave RC=
X'CCCCCCCC' RSN=X'SSSSSSSS
```

Explanation: A VTCS utility issued action *AAAAAA* against coupling facility structure *SSS*, but received unacceptable return/reason codes (X'CCCCCCCC'/X'SSSSSSSS') from the IXLLIST macro.

The following shows the format of the IXLLIST macro issued for each action:

Lock obtain: IXLLIST REQUEST=LOCK,LOCKOPER=SET,xx

Lock release: IXLLIST REQUEST=LOCK,LOCKOPER=RESET,xx

Read: IXLLIST REQUEST=READ,xx

System Action: The utility terminates with a non-zero Return Code.

User Response: Report this problem to StorageTek software support.

SLS6882I

```
Disconnect from CF Structure SSS failed. IXLDISC gave RC=
CCCCCCCC' RSN=X'SSSSSSSS'
```

Explanation: A VTCS utility attempted to disconnect from coupling facility structure *SSS*, but received unacceptable return/reason codes (X'CCCCCCCC'/X'SSSSSSSS') from the IXLDISC macro.

System Action: The utility continues processing.

User Response: Report this problem to StorageTek software support.

SLS6883E

```
Coupling Facility Structure SSS can not be accessed from
system TTT
```

Explanation: A VTCS utility running on system *TTT* was unable to access Coupling Facility Structure *SSS* because *TTT* is not defined as a Host in the CDS.

System Action: The utility terminates with a non-zero Return Code.

User Response: Run the utility on a system that is defined as a Host in the CDS.

SLS6884E

```
TAPEPLEX:TTTTTTTT SMC comms error:RRRRRRR
```

Explanation: Problems were experienced when executing a command upon tapeplex *TTTTTTTT*. *RRRRRRR* indicates the nature of the problem. Optionally, if this error is related to a specific CLINK, then the VTSS name and CLINK Id will be added to the message.

If this is a result of a communication error, then the UUI return codes and reason codes will be reported.

All commands should generate a response. If none is received, irrespective of the return code, then the error reported will be 'No response from remote system'.

System Action: If the problem is aligned to a specific CLINK, then the CLINK will be put into an error state and an attempt will be made to reset the communications link. Depending upon the circumstances, the action that initiated the failure maybe retried or aborted.

User Response: Investigate and correct the cause of the error.

SLS6885I

```
CLINK VVVVVVV/CC Establishing comms to TAPEPLEX:TTTTTTTT
VTSS:RRRRRRRR
```

Explanation: The CLINK CC on VTSS *VVVVVVVV* is attempting to establish and verify communications via SMC with the remote VTSS *RRRRRRRR* within tapeplex *TTTTTTTT*.

If problems occur, then these will reported by following messages.

System Action: None.

User Response: None.

SLS6886E

```
TAPEPLEX:TTTTTTTT VTSS:VVVVVVV returned:EEEEEEEE
```

Explanation: The error message *EEEEEEEE* was returned by tapeplex *TTTTTTTT* in response to a command directed to VTSS *VVVVVVVV* within the tapeplex. The command was executed at some level but generated an error.

If the problem is aligned to a specific CLINK, then the CLINK will be put into an error state and an attempt will be made to reset the communications link.

System Action: Depending upon the circumstances, the action that initiated the failure maybe retried or aborted.

User Response: Investigate and correct the cause of the error.

SLS6887E

`Export of VTV VVVVVV to TAPEPLEX TTTTTTTT rejected: EEEEEEEE`

Explanation: VTCS issues this message when an error has been detected during the electronic export of VTV *VVVVVV* to TAPEPLEX *TTTTTTTT*. Error message *EEEEEEEE* describes the precise nature of the error:

- 'Access denied by POOLPARM':

  The POOLPARM definitions in effect in TapePlex *TTTTTTTT* caused the electronic export of VTV *VVVVVV* to be rejected.

- 'Attempt to import older version of the VTV':

  TapePlex *TTTTTTTT* contains a version of VTV *VVVVVV* that is more recent than the version that this system attempted to electronically export.

- 'Does not support large page size VTVs':

  VTV *VVVVVV* was created using large page sizes, which TapePlex *TTTTTTTT* does not support.

- 'Does not support this size VTV':

  VTV *VVVVVV* has maximum VTV size *MMMM*, which TapePlex *TTTTTTTT* does not support.

- 'Not allowed to import from this TapePlex':

  TapePlex *TTTTTTTT* does not allow imports from this TapePlex.

- 'Sent to the wrong TapePlex (*WWWWWWWW*)':

  The electronic export request was delivered to TapePlex *WWWWWWWW* rather than to TapePlex *TTTTTTTT*, indicating a configuration error.

- 'Unsupported VTV attributes':

  VTV *VVVVVV* has attributes which TapePlex *TTTTTTTT* does not support.

- 'VTV copy cannot be overwritten':

  VTV *VVVVVV* is in a state (e.g. mounted) in TapePlex *TTTTTTTT* which prevents the VTV from being overwritten.

- 'VTV is import blocked':

  Processing of a previous import of VTV *VVVVVV* failed to complete in TapePlex *TTTTTTTT*, leaving the VTV unable to be imported again.

- 'VTV is not defined in the CDS':

  VTV *VVVVVV* is not defined in the CDS used by TapePlex *TTTTTTTT*.

System Action: The electronic export fails. For some errors, VTCS will attempt to re-drive the electronic export.

User Response: Take the appropriate action in accordance with the error message.

- 'Access denied by POOLPARM':

  Check that the POOLPARM definitions in effect in TapePlex *TTTTTTTT* are correct. Ensure that all VTVs electronically exported to TapePlex *TTTTTTTT* can be imported into TapePlex *TTTTTTTT*.

- 'Attempt to import older version of the VTV':

  No action is necessary.

- 'Does not support large page size VTVs':

  Ensure that all VTVs electronically exported to TapePlex *TTTTTTTT* have attributes that are supported by TapePlex *TTTTTTTT*.

- 'Does not support this size VTV':

  Ensure that all VTVs electronically exported to TapePlex *TTTTTTTT* have attributes that are supported by TapePlex *TTTTTTTT*.

- 'Not allowed to import from this TapePlex':

  Either change this system so that it does not attempt electronic exports to TapePlex *TTTTTTTT*, or change TapePlex *TTTTTTTT* to accept imports from this system.

- 'Sent to the wrong TapePlex (*WWWWWWWW*)':

  Correct the system configuration(s) so that electronic exports to TapePlex *TTTTTTTT* are delivered to the correct TapePlex.

- 'Unsupported VTV attributes':

  Ensure that all VTVs electronically exported to TapePlex *TTTTTTTT* have attributes that are supported by TapePlex *TTTTTTTT*.

- 'VTV copy cannot be overwritten':

  No action is necessary.

- 'VTV is import blocked':

  Issue command 'Query VTV(*VVVVVV*)' in TapePlex *TTTTTTTT* to determine the device (*DDDD*) that the previous import used. This is shown on the line 'Importing: *DDDD*'. The Query output should also show 'Electronic Imported: *PPPPPPPP*', where *PPPPPPPP* is the name of this TapePlex. Issue command 'DISM *VVVVVV,DDDD*' in TapePlex *TTTTTTTT* to dismount the VTV and allow future imports.

- 'VTV is not defined in the CDS':

  Check whether VTV *VVVVVV* should be defined in the CDS used by TapePlex *TTTTTTTT*. Ensure that all VTVs electronically exported to TapePlex *TTTTTTTT* are defined in the CDS used by TapePlex *TTTTTTTT*.

SLS6888E

CCCCCCC OF MVC *MMMMMM* FAILED. *NN* VTV(S) NOT PROCESSED.

Explanation: Command *CCCCCCC* (Drain/Reclaim) has started processing for MVC *MMMMMM* but has failed to process *nn* VTVs.

System Action: Drain or Reclaim ends with condition code 8.

User Response: See previous messages such as SLS6640I or SLS6790I for the cause of the failures. Correct the errors and rerun the job.

SLS6889I

Demand *FFFFFFFF* to VTSS *VVVVVVV* completed *error-message*

Explanation: This message confirms that the demand replicate/export to VTSS VVVVVVVV has completed successfully.

System Action: None.

User Response: None.

SLS6890I

VTV *VVVVV* failed to *FFFFFFFF* from VTSS *VVVVVVV* because of status change

Explanation: This message confirms that the required action *FFFFFFFF* against VTV *VVVVVV* from VTSS SSSSSSSS could not be accomplished because the status of the VTV has changed since the action was originally requested.

System Action: The VTV is not replicated/exported.

User Response: None.

SLS6891I

STORclas *SSSSSSSS*, parameter *XXXX* incorrectly refers to *PPPPPPPP*

Explanation: The definition for the storage class *SSSSSSSS* has a parameter called *XXXX* that incorrectly refers to *PPPPPPPP*. Typically *PPPPPPPP* is the name of another tapeplex.

It maybe that the tapeplex name is missing from the VTCS configuration.

System Action: The utility fails.

User Response: Check and correct the management and storage class definitions.

SLS6892W

```
There are no RTDs in XXX capable of writing the media
contained in MVCPool PPP (SC SSS)
```

Explanation: Storage Class *SSS* specifies/implies that MVCs are to be selected from MVCPool *PPP*.

If *XXX* in the message is 'ACS *AA*':

- The definition of Storage Class *sss* is of the format STORclas NAME(*SSS*) ACS(*AA*)
- MVCPool *PPP* is defined, but none of the MVCs in MVCPool *PPP* have media that can be written by the RTDs in ACS *AA*.

If XXX in the message is 'the configuration':

- The definition of Storage Class SSS is of the format STORclas NAME(*SSS*) ... (without the ACS(*AA*) parameter).
- MVCPool *PPP* is defined, but none of the MVCs in MVCPool *PPP* have media that can be written by the RTDs in the configuration.

The presence/absence of the MVCPOOL(*PPP*) parameter on the STORCLAS definition indicates the MVCPool from which MVCs are to be selected when migrating to that Storage Class.

If the definition of Storage Class *SSS* is of the format STORclas NAME(*SSS*) MVCPOOL(*PPP*) ..., MVCs are to be selected from MVCPool *PPP*.

If the definition of Storage Class *SSS* is of the format STORclas NAME(*SSS*) ... (without the MVCPOOL(*PPP*) parameter), MVCs are to be selected from MVCPool DEFAULTPOOL.

VTCS gives the name DEFAULTPOOL to the pool of MVCs that are specified in unnamed MVCPool(s) (of the format MVCPool Volser(*VVVVVV*) ..., without the NAME(*PPP*) parameter).

All migrations to Storage Class *SSS*, or that request an MVC from this MVC pool, will fail.

System Action: VTCS processing continues.

User Response: If the STORCLAS definition specifies/implies the correct MVCPool, correct the definition of MVCPool *PPP* to include MVCs of media that can be written by the RTDs available in the configuration/ACS *AA* (as appropriate). Then issue the VT MVCDEF command to reload the MVCPool definitions.

If the STORCLAS definition specifies/implies the incorrect MVCPool, correct the Storage Class definition then issue the MGMTDEF command to reload the Storage Class definitions.

SLS6893I

There are no RTDs in the configuration capable of writing the media contained in the DEFAULTPOOL

Explanation: VTCS gives the name DEFAULTPOOL to the pool of MVCs that are specified in unnamed MVCPool(s) (of the format MVCPool Volser(*VVVVVV*) ...,

without the 'NAME(*PPP*)' parameter).

The DEFAULTPOOL is defined, but none of the MVCs in DEFAULTPOOL have media that can be written by the RTDs in the configuration.

There are no STORCLAS definitions that imply the use of the DEFAULTPOOL, as all STORCLAS definitions are of the format STORclas NAME(*SSS*) MVCPOOL(*PPP*) ...

VTCS has checked the MVCs in the DEFAULTPOOL because the DEFAULTPOOL will be used when migrating a VTV that has no MGMTCLAS or an undefined MGMTCLAS.

All migrations to this MVCPool will fail.

System Action: VTCS processing continues.

User Response: VT QU MVCP NAME(ALL) can be issued to display the media types in MVCPool DEFAULTPOOL.

VT QU CONFIG can be issued to display the RTD device types.

If it is possible that VTVs have/will be created without a MGMTCLAS, or with a MGMTCLAS that is undefined on this host (e.g. by being created on another host that uses different MGMTDEF definitions), correct the definition of the DEFAULTPOOL to include MVCs of media that can be written by the RTDs available in the configuration. Then issue the VT MVCDEF command to reload the MVCPool definitions.

SLS6894I

M *rtd-adr*,*mvcid*,SL,,*vtssname,calling-module,storclas*

Explanation: This message details MVC mount requests where:

rtd-adr	the RTD address being mounted
MVCid	the VOLSER to be used
vtss-name	the name of the VTSS for this request
calling-module	the VTCS module requesting the mount
storclas	the STORCLAS for this request

System Action: HSC has been directed to mount the indicated MVC on the RTD.

User Response: None. This is an informational message.

SLS6895I

K *rtdaddr*,*mvcid*,*volser*,PVT,*vtssname*,*calling-module*

Explanation: This message details MVC dismount requests where:

rtd-adr	the RTD address being mounted
MVCid	the VOLSER to be used
vtss-name	the name of the VTSS for this request
calling-module	the VTCS module requesting the mount
storclas	the STORCLAS for this request

System Action: HSC has been directed to dismount the indicated MVC from the RTD.

User Response: None. This is an informational message.

SLS6896E

Mount of MVC *volser* on RTD *rtdaddr* failed. Enter CANCEL to terminate VTCS request or RETRY to attempt recovery.

Explanation: The specified mount failed.

System Action: Processing continues.

User Response: Enter CANCEL to terminate VTCS request or RETRY to attempt recovery.

SLS6897E

Invalid TAPEPLEX name '*NNNN*' specified for option '*KKKKKK*'

Explanation: The name *NNNN* supplied in keyword *KKKKKK* is either not a tapeplex name or has not been added as a valid tapeplex name in the CDS.

System Action: The utility terminates.

User Response: Correct the control cards as appropriate and rerun the job. If the tapeplex name is correct, then review the VTCS configuration.

SLS6898W

RTD *RRRR* device type of *TTTTTTTT* not verified. LSM *AA*:*LL* is offline

Explanation: VTCS has been unable to verify the device type of RTD *RRRR* since the containing LSM is offline. VTCS assumes the device is of the same type as it was the last time the LSM was online. If the device type is not a valid RTD device type, this message will be followed by message SLS6619E.

System Action: VTCS continues using the unverified device type.

User Response: The LSM should be varied online. If the device type is correct, no further action is required. If not, then the RTD should be varied online.

SLS6899E

Device *DDDD* can not be used as an RTD on this host because it
is not defined to HSC

Explanation: Device *DDDD* is defined as an RTD in the VTCS configuration. The definition is invalid because the device is not defined to HSC on this host, though it may be defined to HSC on other hosts.

System Action: VTCS continues processing but the device can not be used as an RTD on this host.

User Response: Check the HSC LIBGEN and the VTCS CONFIG for use of device *dddd*.

- If the definitions are correct, take no action.
- If device *DDDD* is missing from the HSC LIBGEN for this/all hosts, define it to HSC using the SET SLIDRIVS utility. If the CDS allows HSC devices to be added dynamically, follow the procedure for that and then issue VT VARY RTD(*DDDD*) ONLINE. Otherwise, recycle HSC/VTCS.
- If device *DDDD* should not be defined as an RTD for any host (not just this host), remove it from the VTCS configuration.

SLS6900I

SYNCH REPLICATION {SUCCESSFUL|FAILED|DROPPED} FOR VTV *vtvid* FROM
VTSS *privtss* TO VTSS *secvtss*

Explanation: VTCS has discovered the synchronous replication attempt for VTV *vtvid* from primary VTSS *privtss* to secondary VTSS *secvtss* has either succeeded, failed or been dropped. A dropped condition exists when synchronous replication is initiated and either times out or does not report failed.

System Action: For successful VTV synchronous replications no further action is taken. If the attempt has failed or been dropped VTCS will recover the associated CLINK and secondary VTD and drive one asynchronous replication attempt for the failed VTV.

User Response: None.

SLS6901I

VTV *VVVVV* rejected; unknown tapeplex name *TTTTTTTT*
encountered in manifest file

Explanation: Within the manifest file, the tapeplex name of *TTTTTTTT* associated to VTV *VVVVVV* is not known to the VTCS configuration. This is either because SETOWNER processing has been requested or a MVC copy being imported is stored in the tapeplex.

System Action: The listed VTV is ignored and processing continues.

User Response: If rejection is not expected then the offending tapeplex name must be added to the VTCS configuration.

SLS6902W

```
STORCLAS SSS references invalid tapeplex XXX
```

Explanation: Storage Class *SSS* specifies that tapeplex *XXX* is to be used for storing copies of VTVs. Unfortunately, there appears to be no devices defined that reference this tapeplex.

System Action: VTCS processing continues. Any VTVs that reference this storage class will be locked down as resident until the problem is addressed.

User Response: Either add devices to the configuration that reference tapeplex *XXX* or correct the storage class definition.

SLS6903E

```
VTSS NNNNNNNN does not have 32 RTD support
```

Explanation: VTSS *NNNNNNNN* has been detected without 32 RTD support. An invalid configuration has been defined which contains either more than 16 RTD/CLinks or a channel interface address of *ci:n* where n is 2 or 3.

System Action: Initialization of the VTSS is terminated and HSC processing continues with the VTSS set 'not accessible'.

User Response: Correct the configuration parameters and rerun the CONFIG utility to redefine the VTCS configuration.

SLS6904E

```
RC CCCCCCC1 returned from CDS Logging request. An error
message briefly describing the error condition is appended.
```

Explanation: VTCS attempted to log an event, but the operation failed for the reason described in the error message.

System Action: The logging operation fails and the request to which it relates is either re-scheduled, or fails.

User Response: Take the appropriate action depending on the return code reported:

7501 - No log files defined.

The logging policy in VTCS is defined as required but logging has not been established in HSC. Consult the HSC documentation on how to set up logging within HSC.

7502 - log file(s) are full.

VTCS will be degraded as no further logging or CDS updates for important VTCS events will be allowed until the offload process has been performed and the ability to log re-established.

7503 - Failure during logging operation.

An internal error has occurred when VTCS attempted to log an event. Contact StorageTek Software Support quoting the return code produced.

SLS6905E

```
VTCS batch updates to the CDS are disallowed where VTCS
logging is mandatory. Run CONFIG to revert to optional VTCS
batch updates to the CDS are disallowed where VTCS logging is
mandatory
```

Explanation: VTCS attempted to perform a CDS batch update, but logging within VTCS is specified as mandatory.

System Action: The operation fails. To enable batch processes to update the CDS, logging in VTCS must be specified as optional.

User Response: The most likely cause of the above is that logging is specified within VTCS as required. Run CONFIG with global variable LOGPOL=OPTional to revert to optional logging within VTCS.

SLS6906I

```
MVCDRAIN has set READONLY(OFF) for MVC mvc
```

Explanation: MVCDRAIN specified READONLY(OFF). This message confirms that the READONLY(OFF) has been set for this MVC.

System Action: Processing continues.

User Response: None.

SLS6908E

```
MVC CCCCCCC1 unable to turn CCCCCCC2 Do Not Scratch indicator.
RC=CCCCCCC3, Reason=CCCCCCC4
```

Explanation: While processing MVC *CCCCCCC1*, CONFIG was attempting to turn *CCCCCCC2* (ON|OFF) the 'Do Not Scratch' indicator and encountered an error.

System Action: CONFIG terminates with Return Code *CCCCCCC3* and Reason *CCCCCCC4*.

User Response: Check that the CONFIG input is correct, as this determines which MVCs are to be processed. Ensure all MVCs to be deleted are not in use and are empty. When all MVCs to be deleted are in the correct state, re-run CONFIG. If the error cannot be corrected, contact StorageTek Software Support.

SLS6909E

```
Date error - CCCCCCC1
```

Explanation: VTCS attempted to convert a date to another format, but an error described by *CCCCCCC1* was encountered.

System Action: The date conversion fails.

User Response: If the failure was caused by invalid user input, correct the date and re-submit the command.

SLS6910E

```
CCCCCCC1 error for DDName CCCCCCC2
```

Explanation: VTCS attempted to perform operation *CCCCCCC1* on DDName *CCCCCCC2* but the operation failed.

System Action: The command that VTCS is attempting to process, fails.

User Response: If the failure was caused by invalid user JCL, correct and re-submit the job.

SLS6911E

```
SWSLOGAN error message - CCCCCCC1
```

Explanation: VTCS module SWSLOGAN encountered the error described by *CCCCCCC1* when it attempted to analyze the log files.

System Action: The recovery actions that VTCS is attempting to take fails.

User Response: Contact StorageTek Software support

SLS6912E

```
Unknown sub-command CCCCCCC1 submitted with LOGUTIL recovery
command.
```

Explanation: VTCS attempts to take the recovery action specified via the input data stream, but is unable to determine what action to take as the sub-command *CCCCCCC1* is not recognized.

System Action: The recovery actions that VTCS is attempting to take fails.

User Response: Correct the sub-command and re-submit the job

SLS6913E

```
Logging utility #

The stated VTCS logging utility has detected the condition
outlined.
```

Explanation: VTCS attempted to perform a utility, but a warning or error condition was detected.

System Action: If a warning was produced, processing continues. If an error condition was reported, processing fails for that utility.

User Response: If the failure was due to user input, correct and re-submit the job.

SLS6914E

```
OPEN error for DDName XXXXXXXX
```

Explanation: The Log Utility failed to open the specified ddname *XXXXXXXX*

System Action: The command that VTCS is attempting to process, fails.

User Response: If the failure was caused by invalid user JCL, correct and re-submit the job.

SLS6915E

```
SORT error processing log file
```

Explanation: The Log Utility calls SORT to process the log file. A non-zero return code was passed back from SORT.

System Action: The command that VTCS is attempting to process, fails.

User Response: Examine the SORTOUT file for error messages produced by SORT and the SLSPRINT file for error messages produced by the Log Utility.

SLS6917E

```
Sequence number check error: record NNNNNNNN, last seqno
XXXXXXXXXXXXXXX, next seqno YYYYYYYYYYYYYYY
```

Explanation: During the output phase of the Log Utility SORT exit, the records presented were found to not be in contiguous sequence number order. Record *NNNNNNNN* had sequence number *YYYYYYYYYYYYYYY,* but the previous sequence number read was *XXXXXXXXXXXXXXX.* This is a Log File integrity error.

System Action: The SORT is abandoned and the Log File Utility terminates.

User Response: Correct the input to the Log File Utility to supply a contiguous set of log file records.

SLS6918E

```
BLKID validation error: record NNNNNNNN, last PPPPP blkid
XXXXXXXX, next start blkid YYYYYYYY
```

Explanation: The Log Utility uses the Log File records to construct a picture of VTVs existing on MVCs. When processing Log File record *NNNNNNNN* adding a new VTV, the start block number *YYYYYYYY* of the VTV on the MVC was either not one greater than the end block number *XXXXXXXX* of the previous VTV when *PPPPP* = "end", or was not greater than the start block number *XXXXXXXX* of the previous VTV when *PPPPP* = "start". This indicates that there is some unknown activity that has not been captured in the Log File

System Action: The SORT is abandoned and the Log File Utility terminates.

User Response: Determine the reason for the missing Log File activity.

SLS6919E

```
Reset EOT to 0 validation error: record NNNNNNNN, MVC MMMMMM
VTV count XXXX, VTV del count YYYY
```

Explanation: The Log Utility uses the Log File records to construct a picture of VTVs existing on MVCs. When processing Log File record NNNNNNNN resetting the EOT blkid to 0 for MVC MMMMMM, the active VTV count and deleted VTV count fields should also be zero.

Either XXXX and/or YYYY were found to be non-zero. This is an unforeseen data validation error situation.

System Action: The SORT is abandoned and the Log File Utility terminates.

User Response: Contact StorageTek Software Support.

SLS6920E

```
CCCCCCC1 error for CDS
```

Explanation: VTCS attempted to perform operation *CCCCCCC1* against the CDS, but the operation failed.

System Action: The command that VTCS is attempting to process fails.

User Response: If the failure was caused by invalid user JCL, correct and re-submit the job.

SLS6921W

CCCCCCC1 transaction sequence number warning: CDS *CCCCCCC2*:
Log files *CCCCCCC3*

Explanation: VTCS logging utility *CCCCCCC1* has detected that the CDS sequence number *CCCCCCC2* is lower than the first transaction sequence number *CCCCCCC3* of the first logging record contained in the log files supplied to the job.

The logging system uses an ascending sequence number for each data event that is logged. This sequence number is written to the logging transaction and also to the CDS. The VTCS recovery process verifies that the sequence number held in the CDS backup is not earlier than the sequence number of the first logged transaction presented to the recovery process, where this is relevant. A difference implies that logged transactions have been excluded from the recovery process which may result in an incomplete recovery.

System Action: Processing continues, however the discrepancy should be investigated. If a logged transactions data set has been omitted from the recovery process, the data set should be included and the job rerun.

User Response: Investigate the discrepancy and if necessary, include any missing logged transactions data set(s) and rerun the recovery.

SLS6922E

Reset EOT chain error *A*: record *NNNNNNNN*, MVC *MMMMMM* reset
blkid *XXXXXXXX*, VTV start blkid *YYYYYYYY*, flags *FF*

Explanation: The Log Utility uses the Log File records to construct a picture of VTVs existing on MVCs. When processing Log File record *NNNNNNNN* resetting the EOT blkid to *XXXXXXXX* for MVC *MMMMMM*, the VTV with start blkid *YYYYYYYY* was found to have unexpected flags *FF*. There are two possible chain error situations detected: 'chain error *A*' may have the value 1 or 2.

This is an unforeseen data validation error situation, perhaps indicating that there is some unknown activity that has not been captured in the Log File.

System Action: The SORT is abandoned and the Log File Utility terminates.

User Response: If there are no reasons for missing activity in the Log File, then contact StorageTek Software Support.

SLS6923E

```
Reset EOT BLKID validation error: record NNNNNNNN, MVC MMMMMM
blkid YYYYYYY, chain end
```

```
Reset EOT to BBBBBBBB error A: rec NNNNNNNN, MVC MMMMMM DDDDD
constructs CCCCCCCC, VTV count XXXX,VTV del count YYYY
```

Explanation: The Log Utility uses the Log File records to construct a picture of VTVs existing on MVCs. When processing Log File record *NNNNNNNN* resetting the EOT blkid to *BBBBBBBB* for MVC *MMMMMM*, error *A* was encountered validating the VTV count fields with the *DDDDDD* constructs count *CCCCCCCC*.

- If error *A* is 1 then *DDDDDD* will be "VTV" and hence the VTV constructs count was not less than or equal to the reset VTV count *XXXX*.

- If error *A* is 2 then *DDDDDD* will be "unlink" and hence the unlink constructs count was not less than or equal to the reset VTV del count *YYYY*.

This is an unforeseen data validation error situation.

System Action: The SORT is abandoned and the Log File Utility terminates.

User Response: Contact StorageTek Software Support.

System Action: Log File record NNNNNNNN resetting the EOT blkid to YYYYYYY for MVC MMMMMM, a last live VTV was not found with a matching end blkid before the end of chain was reached.

This is an unforeseen data validation error situation, perhaps indicating that there is some unknown activity that has not been captured in the Log File.

System Action: The SORT is abandoned and the Log File Utility terminates.

User Response: If there are no reasons for missing activity in the Log File, then contact StorageTek Software Support.

SLS6924E

```
BLKID validation error: record NNNNNNNN, MVC MMMMMM reset EOT
blkid XXXXXXXX, start blkid YYYYYYY
```

Explanation: The Log Utility uses the Log File records to construct a picture of VTVs existing on MVCs. When processing Log File record *NNNNNNNN* adding a new VTV to MVC *MMMMMM*, the start blkid *YYYYYYY* was not equal to the previous reset EOT blkid of *XXXXXXXX*.

This is an unforeseen data validation error situation, perhaps indicating that there is some unknown activity that has not been captured in the Log File.

System Action: The SORT is abandoned and the Log File Utility terminates.

User Response: If there are no reasons for missing activity in the Log File, then contact StorageTek Software Support.

SLS6925I

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX NNNNNNNN

Explanation: The Log Utility analysis phase has completed and various record/construct counts *NNNNNNNN* are reported.

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX is variable text and can be the following:

- Records read into SORT
- Records included within date/time range
- Records excluded by date/time range
- SLS6925I Record types processed as follows
- SLS6925I A - Add VTV to MVC 40,341
- SLS6925I B - Imported VTV on MVC 515
- SLS6925I E - Reset EOT backwards 336
- SLS6925I F - First use or re-use of an MVC 237
- SLS6925I G - Imported MVC 16
- SLS6925I R - Reclaim VTV from MVC 17,866
- SLS6925I U - Unlink VTV from MVC 20,508
- SLS6925I V - New version of VTV 19,633
- SLS6925I W - Imported VTV 515
- SLS6925I X - Electronic export of VTV 196
- Unwanted record types skipped
- Number of systems processed
- Records processed from system HOSTNAME
- Number of MVCs
- Number of VTVs
- Number of VTV versions created
- Number of VTV versions deleted
- Number of VTV versions existing

HOSTNAME above is an HSC Host ID name. There will be one line for each system name encountered in the Log File.

System Action: The Log File Utility continues processing.

User Response: None. Informational messages only.

SLS6926I

```
VTSS NNNNNNNN does not support the MVC initialization (Write
New VOL1 Label) feature
```

Explanation: The MVC initialization feature has been requested but VTSS *NNNNNNNN* is at a microcode level that does not support this feature.

System Action: Processing continues, but MVC initialization cannot be performed from this VTSS.

User Response: If the MVC initialization feature is required then upgrade the VTSS to a supporting microcode level and recycle HSC/VTCS or vary the VTSS offline/online to activate the feature.

SLS6927E

```
Add after reset EOT locate BLKID error: record NNNNNNNN, MVC
MMMMMM blkid XXXXXXXX, chain end
```

Explanation: The Log Utility uses the Log File records to construct a picture of VTVs existing on MVCs. When processing Log File record *NNNNNNNN* adding to MVC *MMMMMM* which had previously had its EOT blkid reset to *XXXXXXXX*, a record was not found with a start blkid equal or greater before the end of chain was reached.

This is an unforeseen data validation error situation, perhaps indicating that there is some unknown activity that has not been captured in the Log File.

System Action: The SORT is abandoned and the Log File Utility terminates.

User Response: If there are no reasons for missing activity in the Log File, then contact StorageTek Software Support.

SLS6928E

```
Reset EOT BLKID validation error: record NNNNNNNN, MVC MMMMMM
blkid YYYYYYYY, chain end
```

Explanation: The Log Utility uses the Log File records to construct a picture of VTVs existing on MVCs. When processing Log File record *NNNNNNNN* resetting the EOT blkid to *YYYYYYYY* for MVC *MMMMMM*, the end of the chain was reached before finding a matching (equal or greater than) start blkid.

This is an unforeseen data validation error situation, perhaps indicating that there is some unknown activity that has not been captured in the Log File.

System Action: The SORT is abandoned and the Log File Utility terminates.

User Response: If there are no reasons for missing activity in the Log File, then contact StorageTek Software Support.

SLS6929E

```
VTV # contains tapeplex # that is unrecognized to the target
CDS

A tapeplex name on the VTV record is not defined in the VTCS
configuration on the target CDS.
```

Explanation: Within the source CDS, a tapeplex name was encountered on a VTV that is unrecognized on the target CDS in the VTCS configuration.

System Action: Processing aborts once all VTVs and MVCs have been checked.

User Response: Add the tapeplex name to the target VTCS configuration via the TAPEPLEX statement and run the CONFIG utility.

SLS6930E

```
Locate VTV connector error E: record NNNNNNNN, MVC MMMMM t/s
XXXXXXXXXXXXXXXX, VTV start bilked YYYYYYYY, FLAGS FF
```

Explanation: The Log Utility uses the Log File records to construct a picture of VTVs existing on MVCs. When processing Log File record *NNNNNNNN* with VTV start blkid *YYYYYYYY*, a locate VTV connector error *E* was encountered for matching timestamp *XXXXXXXXXXXXXXX* and MVC *MMMMM* with unexpected flags *FF*. Error *E* is an internal numeric diagnosis value.

This is an unforeseen data validation error situation, perhaps indicating that there is some unknown activity that has not been captured in the Log File.

System Action: The SORT is abandoned and the Log File Utility terminates.

User Response: If there are no reasons for missing activity in the Log File, then contact StorageTek Software Support.

SLS6931E

```
No active VTCS system found. Command: XXXXXXXXXXXXXXXXXXXX
```

Explanation: The MVC Pool Report Utility needs to acquire information from an active VTCS system. No active VTCS system was found when internal command *XXXXXXXXXXXXXXXXXXX* was issued.

System Action: The current utility request is terminated.

User Response: Ensure VTCS is active for the duration of the utility request.

SLS6932E

```
Inventry syntax error: RRR
```

Explanation: The syntax of the INVENTRY utility printed prior to this message contains error *RRR*:

- The value of CDScheck must be Full, Mvc or None.
- The value of STOPleot must be NO or YES.
- The value of TERMerr must be NO or YES.
- STOPleot(YES) can only be specified with CDScheck(Full/Mvc).
- TERMerr(YES) can only be specified with CDScheck(Full/Mvc).

System Action: Processing terminates. The return code is set to 8.

User Response: Correct the syntax before re-executing the utility.

SLS6933I

```
VTV:VVVVVV MVC:MMMMMM Loc:PPP/BBBBBBBB Create:CCC
Migrate:RRR OOO
```

Explanation: This message shows the details of VTV *VVVVVV* found on MVC *MMMMMM* while performing an inventory of the MVC. The details are those recorded on MVC *MMMMMM*, not in the CDS:

■ *PPPP/BBBBBBBB* shows the location on MVC mmmmmm where VTV *VVVVVV* begins - *PPPP* is the partition and *BBBBBBBB* is the block information.

■ *CCC* is the date/time VTV *VVVVVV* was created (if known).

■ *RRR* is the date VTV *VVVVVV* was migrated to MVC *MMMMMM* (if known).

■ *OOO* is an optional comment, which is output only if the INVENTRY utility specified CDScheck(Full/Mvc). If the CDS indicates that a resident or MVC copy of VTV *VVVVVV* exists and it differs from the copy described in this message, message SLS6934I will be output to describe the CDS copy of VTV *VVVVVV*.

OOO comments on the details of VTV *VVVVVV* recorded in the CDS relative to the copy of VTV *VVVVVV* found on MVC *MMMMMM*:

■ 'CDS VTV is not defined' - VTV *VVVVVV* is not defined in the CDS.

This is an error. This situation should not occur if VTV *VVVVVV* was migrated to MVC *MMMMMM* while using this CDS.

■ 'CDS shows no VTV copy' - the CDS indicates no copy of VTV *VVVVVV* has ever been created.

This is an error. This situation should not occur if VTV *VVVVVV* was migrated to MVC *MMMMMM* while using this CDS.

■ 'CDS shows an older VTV' - the copy of VTV *VVVVVV* recorded in the CDS has an older (less recent) creation date/time than the copy of VTV *VVVVVV* found on MVC *MMMMMM*.

This is an error. This situation should not occur if VTV *VVVVVV* was migrated to MVC *MMMMMM* while using this CDS.

■ 'CDS shows a newer VTV' - the copy of VTV *VVVVVV* recorded in the CDS has a newer (more recent) creation date/time than the copy of VTV *VVVVVV* found on MVC *MMMMMM*.

This is normal and can occur as follows:

   ■ VTV *VVVVVV* is created at date/time *CCC* and migrated to MVC *MMMMMM* at block *BBB*.

   ■ at later date/time *DDD*, another copy of VTV *VVVVVV* is created.

   ■ VTCS will update the CDS to show it has unlinked VTV *VVVVVV* from MVC *MMMMMM*, though VTV *VVVVVV* will still exist physically on MVC *MMMMMM*.

■ 'CDS shows same age VTV' - the copy of VTV *VVVVVV* recorded in the CDS has the same creation date/time as the copy of VTV *VVVVVV* found on MVC *MMMMMM*. However, the CDS does not show a copy of VTV *VVVVVV* at location *PPPP/BBBBBBBB* on MVC *MMMMMM*.

This is normal and can occur as follows:

   ■ VTV *VVVVVV* is created at date/time *CCC* and migrated to MVC *MMMMMM* at block *BBB*.

   ■ MVC *MMMMMM* is drained.

- VTV *VVVVVV* is recalled from MVC *MMMMMM* and migrated to MVC *NNNNNN*.
- VTCS will update the CDS to show it has unlinked VTV *VVVVVV* from MVC *MMMMMM*, though VTV *VVVVVV* will still exist physically on MVC *MMMMMM*.

- 'CDS shows matching VTV' - the copy of VTV *VVVVVV* recorded in the CDS has the same creation date/time as the copy of the VTV found on MVC *MMMMMM*. Additionally, the CDS shows a migrated copy of this VTV at location *PPPP/BBBBBBBB* MVC *MMMMMM*.

  This is normal and indicates this is a current copy of VTV *VVVVVV*.

System Action: Processing continues.

User Response: If comment 'CDS VTV is not defined', 'CDS shows no VTV copy' or 'CDS shows an older VTV' was output:

- investigate why this is the case.
- if comment 'CDS VTV is not defined' was output and VTV *VVVVVV* should be defined in the CDS, define it using the appropriate procedure.
- if the CDS should be in step with the contents of MVC *MMMMMM*, perform an audit of MVC *MMMMMM*.

Otherwise, none.

SLS6934I

VTV *VVVVV*: *TTT* CREATED *CCC* MIGRATED *RRR*

Explanation: This message shows the details recorded in the CDS of VTV *VVVVV* found on MVC *MMMMMM* while performing an inventory of the MVC:

■ *TTT* is:

   ■ 'Not on MVC *MMMMMM*' if the CDS shows there is no copy of VTV *VVVVV* on MVC *MMMMMM*, or

   ■ 'MVC *MMMMMM* block *BBB*' if the CDS shows there is a copy of VTV *VVVVV* on MVC *MMMMMM*, beginning at block *BBB*.

Regardless of the value of *TTT*, copies of VTV *VVVVV* may exist on other MVCs.

   ■ *CCC* is the date/time VTV *VVVVV* was created (if known).

   ■ 'Migrated *RRR*' shows the date VTV *VVVVV* was migrated to MVC *MMMMMM*. It is output only if the CDS indicates there is a copy of VTV *VVVVV* on MVC *MMMMMM* and the date is known.

System Action: Processing continues.

User Response: None.

SLS6935E

VTV:*VVVVV* MVC:*MMMMMM* Loc:*PPP/BBBBBBBB* Create:*CCC* Migrate:*RRR*

Explanation: This message shows the details recorded in the CDS of VTV *VVVVV*:

■ *PPPP/BBBBBBBB* shows the location on MVC *MMMMMM* consisting of the partition and block where VTV *VVVVV* begins..

■ *CCC* is the date/time VTV *VVVVV* was created (if known).

■ *RRR* is the date VTV *VVVVV* was migrated to MVC *MMMMMM* (if known).

Though the CDS indicates a copy of VTV *VVVVV* is present on MVC *MMMMMM*, VTV *VVVVV* was not found on MVC *MMMMMM* while performing an inventory of the MVC.

System Action: The return code is set to 8. If the INVENTRY utility specified TERMerr(YES), processing of MVC *MMMMMM* terminates. Otherwise, processing continues.

User Response: If the CDS should be in step with the contents of MVC *MMMMMM*, perform an audit of MVC *MMMMMM*. Otherwise, none.

SLS6936E

The CDS does not contain VTV *VVVVV*, found during inventory processing of MVC *MMMMMM*

Explanation: VTV *VVVVV* was found on MVC *MMMMMM* while performing an inventory of the MVC, but the VTV is not defined in the CDS.

System Action: The return code is set to 8. If the INVENTRY utility specified TERMerr(YES), processing of MVC *MMMMMM* terminates. Otherwise, processing continues.

User Response: If VTV *VVVVV* should be defined in the CDS, define it using the appropriate procedure. Then, if the CDS should be in step with the contents of MVC *MMMMMM*, perform an audit of MVC *MMMMMM*.

SLS6937I

```
Inventory of MVC MMMMMM terminated at block BBB1, VTV VVVVVV.
Logical end-of-tape is at block BBB2.
```

Explanation: VTV *VVVVVV* was found at block *BBB1* on MVC *MMMMMM* while performing an inventory of the MVC.

Block *BBB1* is on/past block *BBB2*, which the CDS shows to be the logical end-of-tape (LEOT) position for this MVC, i.e. the position to which the next migration will occur. This does not indicate an error if MVC *MMMMMM* has been drained or reclaimed, as the recalled VTVs will still exist physically on the MVC.

The INVENTRY utility specified STOPleot(YES), i.e. that processing should terminate when the logical end-of-tape (LEOT) position was reached.

System Action: Processing of MVC *MMMMMM* terminates. The return code is set to 0.

User Response: None.

SLS6938E

```
VTV VVVVVV, found during inventory processing of MVC MMMMMM,
is inconsistent with the CDS
```

Explanation: VTV *VVVVVV* was found on MVC *MMMMMM* while performing an inventory of the MVC. The details of VTV *VVVVVV* in the CDS differ from the details of VTV *VVVVVV* found on MVC *MMMMMM* in a manner that should not be possible if VTV *VVVVVV* was migrated to MVC *MMMMMM* while using this CDS.

Message SLS6933I, issued prior to this message, gives the details of the copy of VTV *VVVVVV* found on MVC *MMMMMM* and summarizes the differences.

Message SLS6934I, issued prior to this message if the CDS shows a resident or MVC copy of VTV *VVVVVV* exists, gives the details of VTV *VVVVVV* in the CDS.

System Action: The return code is set to 8. If the INVENTRY utility specified TERMerr(YES), processing of MVC *MMMMMM* terminates. Otherwise, processing continues.

User Response: Investigate the reason for the differences between the copy of VTV *VVVVVV* found on MVC *MMMMMM* and the CDS copy of VTV *VVVVVV*. If the CDS should be in step with the contents of MVC *MMMMMM*, perform an audit of MVC *MMMMMM*.

SLS6939E

```
Unable to determine the position of the end of VTV VVVVVV.
Inventory of MVC MMMMMM terminated.
```

Explanation: VTV *VVVVVV* was found on MVC *MMMMMM* while performing an inventory of the MVC.

VTCS could not determine if more VTVs exist on MVC *MMMMMM*, as it was unable to determine the position of the end of VTV *VVVVVV* on MVC *MMMMMM*.

System Action: Processing of MVC *MMMMMM* terminates. The return code is set to 8.

User Response: Contact StorageTek Software Support.

SLS6940E

```
ECAM error CCC/SSS (possible data loss) occurred reading VTV
VVVVVV, during inventory processing of MVC MMMMMM
```

Explanation: VTV *VVVVVV* was found on MVC *MMMMMM* while performing an inventory of the MVC. ECAM error *CCC/SSS* occurred reading this VTV, indicating this copy of the VTV may have been lost or corrupted.

System Action: Processing continues. The return code is set to 8.

User Response: If other usable copies of the VTV exist, consider using the VTVMAINT utility to unlink the VTV from MVC *MMMMMM* to ensure this copy of the VTV can not be used. Contact StorageTek Software Support if assistance is required.

SLS6941E

```
ECAM error CCC/SSS occurred reading VTV VVVVVV, during
inventory processing of MVC MMMMMM
```

Explanation: VTV *VVVVVV* was found on MVC *MMMMMM* while performing an inventory of the MVC. ECAM error *CCC/SSS* occurred reading this VTV.

System Action: Processing of MVC *MMMMMM* terminates. The return code is set to 8.

User Response: Perform any action indicated for this error in the appropriate ELS manual. Contact StorageTek Software Support if assistance is required.

SLS6942I

```
No VTVs were found on MVC MMMMMM
```

Explanation: No VTVs were found on MVC *MMMMMM*, which was being inventoried.

System Action: Processing of MVC *MMMMMM* terminates. The return code is set to 0.

User Response: None.

SLS6943E

```
MVC MMMMMM is not empty, request failed.
```

Explanation: The action requested requires the MVC *MMMMMM* to be empty. The action can not be completed since the MVC is not empty.

'Display MVC' or MVC report output may show the MVC has zero VTVs but the MVC is not empty. To be empty, the MVC must show zero VTVs and have been drained.

System Action: The action requested against the MVC fails.

User Response: Drain the MVC and then re-attempt the action against the MVC.

SLS6944I

NNNN MVC|VTV definitions deleted from|targeted for deletion
from|added to|targeted for addition to configuration

Explanation: While running CONFIG or SET VOLPARM, a change in VTV and/or
MVC definitions occurred.

If CONFIG has NOUPDATE specified or VOLPARM has APPLY(NO), then the
message reflects VTV and/or MVC definitions that would be targeted for change.

It should be noted when this message states VTVs and/or MVCs have been deleted
that they have not been physically removed from the database. Rather a logical
deletion state has been set and the space occupied will not be reused.

When this message states that VTVs and/or MVCs have been added this can reflect
the logical deletion state has been removed or new volumes have been added that
were not previously defined.

System Action: If running CONFIG without NOUPDATE or SET VOLPARM with
APPLY(YES), VTV and/or MVC range definitions are changed in the configuration
otherwise no update to the configuration takes place.

User Response: To obtain the list of VTV or MVC definitions deleted, run DECOMP
with the LISTDELR keyword. When VTV or MVC definitions are added simply run
DECOMP to obtain a report of all VTVs and MVCs defined.

SLS6945E

MVC *MMMMMM* is mounted, request failed.

Explanation: The action requested requires that the MVC *MMMMMM* not be
mounted. The action can not be completed since the MVC is mounted.

System Action: The action requested against the MVC fails.

User Response: Dismount the MVC and then re-attempt the action against the MVC.

SLS6946E

```
Host HHHHHHH1 (PROCESS ID IIIII, A BBB TASK) has waited
N minutes for TTTT RRRRRR held by Host HHHHHHH2
```

Explanation: This message identifies the host, process identifier and task type that is waiting for a resource that is locked by another host or task in the system.

HHHHHHH1	the host name that requires the resource
IIII	the process id of the task that is waiting
BBB	the type of task that is waiting for the lock and will contain one of the following values: ■ Clk - Clink task ■ Cmd - Command task ■ Csh - Clink scheduler task ■ Drv - RTD scheduler task ■ DSP - Main dispatcher task ■ Inv - Inventory manager task ■ MSc - Migration scheduler task ■ RCM - Drain/space reclaim manager ■ RTD - RTD task ■ Scr - Scratch manager task ■ SS - VTSS task ■ unk - Unknown task
N	the elapsed time in minutes
TTTT	the resource type that is locked and will contain one of the following values: ■ lock slot ■ VTD ■ VTV ■ MVC ■ RTD
RRRRRR	the resource that is locked and will contain one of the following: ■ lock slot number ■ VTD address ■ VTV volser ■ MVC volser ■ RTD address
HHHHHHH2	the host name that has locked the resource

System Action: The request that is currently being processed will be re-queued to be processed later. If the required resource is still not available at that time, the error message will be deleted, then reissued with an updated elapsed time. This process will be repeated until the lock on the required resource has been released by the owning host.

User Response: Examine the host that is currently holding the required resource. The Display LOCKS command may be used to provide detailed information on the locks that are currently being held by each host and task in the system. If the activity causing the lock to be held is processing normally, take no action. The lock will be obtained eventually and message SLS6946E will be deleted automatically by VTCS.

If the activity causing the lock to be held appears to be stuck, consider canceling the request. If you are unable to determine why the lock is held, or why it is not being released, contact StorageTek for assistance.

SLS6948E

No MGMTCLAS statements have been defined or loaded. *UUUUUUUU* processing has been abandoned

Explanation: An attempt to execute VTCS utility *UUUUUUUU* failed because no MGMTCLAS statements have been defined or loaded. As the processing performed by the utility is determined by the MGMTCLAS (and associated) statements, processing has been abandoned.

If POLICYDD(*ddd*) was specified on the utility statement, no MGMTCLAS statements were present in the MGMTDEF file specified by //ddd.

If POLICYDD(*ddd*) was not specified on the utility statement:

■ no MGMTDEF file has been loaded in the HSC/VTCS address space, or

■ no MGMTCLAS statements were present in the file specified by the MGMTDEF command in the HSC/VTCS address space.

System Action: Processing terminates with return code 8.

User Response: Ensure MGMTCLAS statements are present in the relevant MGMTDEF file before re-executing the utility.

SLS6949I

Initiating swap of MVC *VVVVVV* from RTD *RRRRRRR* to device type *TTTTTTTT*

Explanation: An error has occurred while processing MVC *VVVVVV*. The MVC is being swapped from RTD *RRRRRRR* to device type *TTTTTTTT*.

System Action: The current action will be attempted upon another RTD. The device type being swapped to has been influenced by an MVCATTR SWAPTO policy definition.

User Response: The reason for the error should be investigated. Check the SYSLOG for other indications as to the nature of the error. If the MVC is damaged or suspect, then use the MVCDRAIN command to remove all VTVs from the MVC. IF the problem keeps reoccurring upon the same RTD, use the VARY command to vary the RTD offline and contact StorageTek Hardware Support.

SLS6950I

The CDS contains *BBBBB* free blocks

Explanation: The CDS has *BBBBB* free blocks available for expansion.

System Action: None.

User Response: None.

SLS6951I

VTSS *VVVVVVV* does not support global MAXVTVSZ of *NNNN* – defaulting to *DDDD*

Explanation: VTVs of the size specified by the global MAXVTVSZ parameter (*NNNN*) cannot be created because VTSS *VVVVVVVV* is at a microcode level that does not support this VTV size.

System Action: Processing continues, but VTVs of the requested size will not be created. The MAXVTVSZ specification will now default to the largest VTV size supported by all of the VTSSs in the configuration (*DDDD*).

User Response: If VTVs of the requested size are required then upgrade the VTSS to a supporting microcode level and recycle HSC/VTCS or vary the VTSS offline/online to activate the feature.

SLS6952I

Config Warning: *XXXXXXXX*

Explanation: When running the configuration utility, a situation was detected that may require attention. The message *XXXXXXXX* gives the reason for the warning.

System Action: The remainder of the configuration statements will be processed and the CDS updated provided no error conditions are encountered. Configuration ends with RC=4.

User Response: Review the message text to determine the reason for the warning. Perform any post configuration tasks necessary.

SLS6953W

AAA VVVVV is an invalid volser, it is not defined in the CDS

Explanation: The error occurred while running a LOGUTIL utility. Volser *VVVVV* was specified on the *AAA* (VTV or MVC) keyword. *VVVVV* is not a valid *AAA* (VTV or MVC) volser defined in the CDS.

System Action: The utility continues on to the next volser. If volser *VVVVV* is the last volser to process then the utility ends.

User Response: Correct the volser parameter and re-run the utility.

SLS6954W

MVC *VVVVV* contains zero qualifying VTVs

Explanation: The FOR_LOSTMVC utility was requested to recover the VTVs on MVC *VVVVV*. After applying the specific VTV filters, there were zero qualifying VTVs. Hence no recovery is necessary.

System Action: The utility continues on to the next MVC. If volser *VVVVV* was the last MVC to process then the utility ends.

User Response: None, unless the VTV keyword was specified. If the VTV keyword was specified, remove it and re-run the utility.

SLS6955W

VTV v1: MVC m1 was picked as the recovery MVC but contains
errors

Explanation: A LOGUTIL utility selected MVC m1 as the best candidate to recover VTV v1. The MVC is either not in the CDS or has some combination of the LOST, BROKE, and DATA CHECK bits on. The MVC may have problems when RECALL or AUDIT is attempted against it.

System Action: The utility continues processing.

User Response: Try to correct the problem with the MVC before running RECALL or AUDIT against it. If the RECALL or AUDIT fails and there are alternate MVC copies, attempt the operation against a different alternate MVC copy of the VTV.

SLS6956E

CCCCCCCC parameter exceeds *NNNNNNNN* volumes

Explanation: The *CCCCCCCC* parameter was specified for a LOGUTIL utility. The number of volumes specified on the parameter exceeds *NNNNNNNN* (maximum permitted).

System Action: The utility terminates with RC=8.

User Response: Correct the parameter and re-run the utility.

SLS6957I

One or more volsers were duplicated on the *CCC* parameter

Explanation: The *CCC* parameter was specified for a LOGUTIL utility. At least one volser was found duplicated on the *CCC* parameter.

System Action: The duplicate volser is ignored.

User Response: Correct the parameter and re-run the utility if necessary.

SLS6958E

Volume *MMMMMM* is not an MVC

Explanation: AUDIT or INVENTRY was being executed for MVC *MMMMMM*. VTCS issued an ECAM call to locate a VTV on the MVC. The ECAM response (RC=5/114, which is suppressed) indicates that the volume is not formatted as an MVC.

System Action: Processing of this volume terminates with RC=8.

- If AUDIT was being executed:
    - VTCS will not check for VTVs that the CDS shows as being on the MVC but were not found. This is necessary to stop such VTVs from being unlinked from the MVC.
    - The MVC will be left in a state of 'Being audited/Audit failed'.
- If INVENTRY was being executed and CDScheck(Full) was specified, then VTCS will check for VTVs that the CDS shows as being on the MVC, but were not found. It is safe to do this as INVENTRY does not update the CDS.

User Response:

- Until the problem is resolved, the MVC should not be written to. This can be achieved by executing 'MVCMAINT MVC(*MMMMMM*) READONLY(ON)' to mark the MVC as read-only.
- 'MVCRPT MVC(*MMMMMM*) DETail' can be executed to determine the VTVs that the CDS shows as being on the MVC, in case recovery action is necessary.
- Check that the correct tape was mounted. Ensure there are not multiple volumes with the same volser, with the non-MVC volume being mounted rather than the MVC volume. If that is the case, re-run the AUDIT or INVENTRY, this time mounting the correct volume.
- If the correct volume (which should be an MVC) was mounted, or the problem cannot be resolved, contact StorageTek Software Support.

SLS6959I

XXXXXXXX copy of VTV *VVVVVV* found; recovery is not necessary since the VTV is not in deleted status

Explanation: Recovery of VTV *VVVVVV* was requested by the UNDELETE utility. The UNDELETE utility will only recover VTVs that are in deleted status. To be in deleted status, the VTV can not have any resident or migrated copies. VTV *VVVVVV* has a *XXXXXXXX* (resident or migrated) copy so recovery is not necessary.

System Action: The utility continues on to the next VTV. If volser *VVVVVV* was the last VTV to process then the utility ends.

User Response: None.

SLS6960E

The manifest file contains *NN* MVC volsers. The maximum number
that can be specified is *LL*.

Explanation: MVCMAINT was executed using a manifest file to specify the MVCs to
be processed. The command was of the format 'MVCMAINT MANIFEST(*ddname*)
options'. The manifest file contains *NN* MVC volsers. The maximum number of MVC
volsers that can be specified using a manifest file is *LL*.

System Action: No MVCs are processed. The utility terminates with RC=8.

User Response: Rather than using a manifest file to specify the MVC volsers,
construct MVCMAINT commands of the format 'MVCMAINT MVC(*volser*(s))
options'. The MVC volsers that would have been processed using the manifest file
can be determined by running MVCRPT against the manifest file.

SLS6961E

UUU parameter *PPP* requires HSC/VTCS active

Explanation. An attempt to execute utility *UUU* failed because parameter *PPP* was
specified and HSC/VTCS is not active.

System Action. The utility terminates with return code 8.

User Response. Ensure HSC/VTCS is active on this system, then rerun the utility.

SLS6962I

Requested version of VTV *VVVVVV* does not exist, recovery is
not possible

Explanation: Recovery of the requested version of VTV *VVVVVV* is not possible.
The VTV version to recover is specified on the VERSION or DATE/TIME parameters
of the LOCATE_VTV command. There were no migrated or electronically exported
copies found of this VTV version in the LOGUTIL structure so recovery is not
possible.

System Action: The utility continues on to the next VTV. If volser *VVVVVV* was the
last VTV to process then the utility ends.

User Response: Check to make sure the correct CDS log files were included on the
LOGUTIL LOGDD. If not then include the correct log files and re-run the utility.

Also check to make sure the correct version number was specified on the VERSION
or DATE/TIME parameters. All versions found are listed in the report output. If the
wrong version was specified then re-run the utility with the correct version number
specified.

SLS6963I

```
Recovery of version 0 is not permitted, YYYY-MM-DD HH:MM:SS
matches version 0 for VTV VVVVVV
```

Explanation: Recovery of version 0 of a VTV is not permitted by the LOCATE_VTV utility. The LOCATE_VTV utility was run requesting recovery of VTV *VVVVVV* with DATE=*YYYY-MM-DD* and TIME=*HH:MM:SS*. Recovery of this VTV is not permitted since these values match version 0 for this VTV.

System Action: The utility continues on to the next VTV. If volser *VVVVVV* was the last VTV to process then the utility ends.

User Response: If recovery is needed for version 0 of this VTV then consider using another utility to recover the data (AUDIT, UNDELETE, etc.) If an incorrect value was specified for the DATE/TIME parameters then re-run the utility with the correct values specified.

SLS6964W

```
VTV version VVVVVV CDATE CTIME is newer than version 0.
Ensure correct CDS and log files were used.
```

Explanation: The LOCATE_VTV utility was run requesting recovery of VTV *VVVVVV*. A version of VTV *VVVVVV* was found in the log files with a create date of *CDATE* and create time of *CTIME*. This version of the VTV is newer than version 0. This condition can only occur in one of two situations:

- The data sets specified on the LOGUTIL LOGDD DD statement are not related to the CDS used by the utility.
- A CDS copy is being used by the utility that is older than the log data sets.

System Action: The utility continues on to the next version of VTV *VVVVVV*. If *CDATE CTIME* is the last version of this VTV then the utility proceeds to the next VTV. If there are no more VTVs to process then the utility ends.

User Response: If incorrect data set names were specified for the CDS or log files then correct the data set names and re-run the utility. If recovery of this VTV version is still desired then re-run the utility specifying CDATE/CTIME on the DATE/TIME parameters.

SLS6965E

```
An internal error has occurred during LOGUTIL processing:

VTV VVVVVV, XXXXXXXX
```

Explanation: An internal error has occurred during LOGUTIL command processing. The VTV volser that is currently being processed and an internal storage address are displayed for diagnostic purposes.

System Action: Log File Utility terminates abnormally.

User Response: Contact StorageTek Software Support.

SLS6966I

RTD: *NNNN* placed in OFFLINE/MAINTENANCE mode, *XXXXXX* does not support partitioning.

Explanation: RTD *NNNN* has been placed in MAINTENANCE mode or the path to the RTD has been taken OFFLINE.

The VTCS configuration is enabled for partitioning, but the RTD or VTSS does not support partitioning. *XXXXXX* will state either "the RTD" or "VTSS: vtssname".

System Action: Depending on the RTD configuration, the indicated RTD will be placed in MAINTENANCE mode, or the path to the RTD will be put OFFLINE.

User Response: In configurations with partitioning enabled in VTCS, all RTD device types capable of supporting partitioning mode must have the proper microcode running in the drive.

In addition, any RTD capable of supporting partitioning mode attached to a non-capable VTSS will be placed into MAINTENANCE/OFFLINE mode when partitioning is enabled in VTCS.

Contact Oracle/STK support if necessary.

SLS6967E

```
CF structure conflict:

CF structure SSSSSSSSSSSSSSSS is in use by host(s) using
CDS: dsname
CDS  creation    date=yyyymmdd time=hh:mm:ss
Last CDS restore date=yyyymmdd time=hh:mm:ss
```

Explanation: Multiple systems using different CDSs are not permitted to use the same Coupling Facility structure. Coupling Facility structure *SSSSSSSSSSSSSSSS* has already been initialized by HSC/VTCS, running on this or another host, before this HSC/VTCS started.

The message shows the characteristics of the CDS used by the initializing HSC/VTCS. This HSC/VTCS is not permitted to use Coupling Facility structure *SSSSSSSSSSSSSSSS* as it is using a different CDS to the initializing HSC/VTCS.

System Action: VTCS initialization terminates.

User Response: Ensure that different CDSs specify different Coupling Facility structure names, then stop and restart this HSC/VTCS. If further assistance is required, contact StorageTek Software Support.

SLS6968E

MVC, *MMMMMM*, cannot be mounted on RTD *RRRRRRRR* because it is mounted on another device.

Explanation: VTCS attempted to mount MVC *MMMMMM* on RTD *RRRRRRRR* in a Virtual Library Extension. The request failed because the MVC is mounted on another device, which may or may not be defined as an RTD to this system.

System Action: The request will be retried with an alternate MVC if one is available. Otherwise, depending on the number of consecutive errors that have occurred, VTCS will either retry the mount of MVC *MMMMMM* or cancel the request.

User Response: Investigate the problem as it indicates VTCS was not aware of the location of the MVC. If the cause is not understood, contact StorageTek software support.

SLS6969I

RECLAIM MVC *MMMMM* unable to free space EOT remains
PPPP/BBBBBBBB VTV count *VVV* deleted VTV count *DDD*

Explanation: This message is generated for partitioned tape volumes. During reclaim processing no partitions could be freed for MVC *MMMMM*. EOT is not reset and remains as *PPPP/BBBBBBBB* where *PPPP* is partition id and *BBBBBBBB* is block id. VTV counts *VVV* (total VTVs) and *DDD* (deleted VTV count) also remain unchanged.

System Action: MVC usage remains unchanged. This includes MVC wasted and used space as well as VTV counts.

User Response: MVCs with a small number of free partitions should be drained. MVCs with no free partitions must be drained. MVC detail reporting will list any free partitions.

SLS6970E

CDS free block calculation failed with RC=*X'RRRRRRRR'*

Explanation: CONFIG processing invoked an HSC service to determine the number of free blocks in the CDS prior to updating the CDS with any configuration changes. This service failed with return code *X'RRRRRRRR'*.

System Action: The CDS is not updated with the configuration changes. CONFIG processing terminates with RC=12.

User Response: Report this problem to StorageTek software support.

SLS6971E

The configuration changes require *MMM* free CDS blocks, but the
CDS contains only *NNN* free blocks

Explanation: CONFIG processing has detected that the CDS must be updated, as the VTCS configuration has changed. These changes require *MMM* free CDS blocks, but the CDS contains only *NNN* free blocks.

System Action: The CDS is not updated with the configuration changes. CONFIG processing terminates with RC=12.

User Response: Resize the current CDS (using CDS EXpand) or create a new CDS, to ensure that the CDS to be updated contains at least mmm free CDS blocks. Then rerun the CONFIG utility.

SLS6972E

VTV *V1* cannot be chained to MVC *V2*. Partition *PPPP* is not
empty

Explanation: The Log Utility uses the Log File records to construct a picture of VTVs existing on MVCs. A Log File record was encountered where VTV *V1* was migrated to MVC *V2*. VTV *V1* spanned to more than one partition on the MVC. A partition must be empty (no VTVs) in order for a spanning VTV to be chained to it. The Log Utility attempted to chain VTV *V1* to partition *PPPP* but found that the partition was not empty.

System Action: The utility fails with return code 8.

User Response: The Log File contents are suspect. Contact StorageTek Software Support.

SLS6973E

Illegal attempt to *CCC* the partition map for MVC *V1*

Explanation: While processing the Log File, a record was encountered that resulted in an attempt to *CCC* (create or free) the partition map for MVC *V1*. The attempt to *CCC* the partition map failed because there were active VTVs chained to the partition map.

System Action: The utility fails with return code 8.

User Response: The Log File contents are suspect. Contact StorageTek Software Support.

SLS6974I

Fault reported by VTSS:*VV* Model:*MM* Serial:*NN* FSC:*FFFF* FRU:*UU*

Explanation: A hardware problem has occurred on VTSS *VV* with model number *MM* and serial number *NN*. The Fault Symptom Code (FSC) is X'*FFFF*' and the Field Replaceable Unit (FRU) information is X'*UU*'. The FRU information will only be displayed if it is available. The Service Information Message (SIM) sense bytes have been displayed in message SLS6659I.

System Action: Normal processing continues.

User Response: Contact StorageTek hardware support.

SLS6975E

```
VTSS VV cannot generate a MIM request. Contact StorageTek
hardware support.
```

Explanation: VTSS *VV* has encountered a condition that would normally generate a MIM (Machine Initiated Maintenance) request. The maintenance ports are not enabled so the VTSS cannot initiate a service call. The Service Information Message (SIM) sense bytes have been displayed in message SLS6659I and additional information has been displayed in message SLS6974I.

System Action: Normal processing continues.

User Response: Contact StorageTek hardware support.

SLS6976I

```
Mount of VVVVVV; MVC is X format, CDS shows MVC is Y format
```

Explanation: When the indicated MVC was mounted, the partitioning format of the MVC differs from that reflected in the CDS. The values of *X* and *Y* will show "Partitioned" or "Standard" as appropriate.

System Action: The indicated MVC is placed in AUDIT state.

User Response: The MVC should be audited to resolve the MVC format and contents with the CDS. Contact Oracle/STK support if necessary.

SLS6982I

VTV *VVVVV* with MGMTCLAS *MMM* cannot be *XXXXXXXXX*
synchronously from VTSS *SSS*

Explanation: VTV *VVVVV* with MGMTCLAS *MMM* has been mounted on a VTD
in VTSS *SSS*. The management class, or an associated storage class, specifies that the
VTV is to be:

- replicated synchronously (REP(YES_SYNC) specified on the management class),
  or
- exported synchronously (TAPEPLEX(*TTT*) SYNC(YES) specified on an associated
  storage class).

VTCS is unable to honor this request. Possible reasons for this are:

- The VTCS configuration does not specify SYNCHREP=YES.
- VTSS *SSS* or the target VTSSs do not support synchronous replications.
- All target VTSSs are offline.
- There are no clinks online from VTSS *SSS* to the target VTSSs.
- The VTV is mounted on an 'ECAM only' VTD in VTSS *SSS*. These VTDs cannot be
  used for synchronous operations.
- For synchronous replication requests, VTSS *SSS* is not part of a cluster.
- For synchronous export requests:
  - ttt is not the name of a tapeplex.
  - ttt is the name of the local tapeplex, rather than of another tapeplex.

System Action: VTCS does not request (at mount time) that the requested action
(replication or export) be performed synchronously on the VTV. If it is possible to do
so, VTCS will perform the action asynchronously after the VTV is dismounted.

User Response: Check that all of the following are true and perform any necessary
corrective action:

- The VTCS configuration specifies SYNCHREP=YES. Command 'VT D CONFIG'
  will display the value of SYNCHREP.
- VTSS *SSS* and the target VTSSs support synchronous replications. Command 'VT
  D VTSS DET' will show if the VTSSs have 'Sync replicate' support.
- A target VTSS is online. Command 'VT QU VTSS' will display the status of the
  VTSSs.
- There are clinks online from VTSS *SSS* to the target VTSSs. Command 'VT D
  CLINK' displays clink status.
- VTVs requiring synchronous replication/export are not mounted on 'ECAM only'
  VTDs in VTSS *SSS*. Command 'VT D VTD ALL VTSS(*SSS*)' will display the VTDs
  in VTSS *SSS*, including the 'ECAM only' VTDs.
- For synchronous replication requests, VTSS *SSS* is part of a cluster. Command 'VT
  D CLUSTER' will show whether VTSS *SSS* is part of a cluster.
- For synchronous export requests, *TTT* is the name of a tapeplex that is not the
  local tapeplex.

SLS6983I

MVC *VVVVV* has been initialized

Explanation: MVC *VVVVV* has been initialized. A new VOL1 label has been written to this MVC because it had no VOL1 label and INITMVC=YES was in effect for this MVC.

System Action: HSC processing continues.

User Response: None.

SLS6990E

If OPTION is specified, it must have the value UNAVAIL

Explanation: VTVRPT specified the optional parameter OPTION, but with a value other than UNAVAIL.

System Action: VTVRPT terminates with return code 8.

User Response: Specify OPTION(UNAVAIL) or remove the OPTION parameter, then re-run the VTVRPT utility.

SLS6997W

STORCLAS *sss* is in error, STORMNGR *nnnnnnnn* does not support *fff*

Explanation: STORCLAS *sss* is in error. *fff* is coded as a parameter for the STORCLAS statement but STORMNGR *nnnnnnnn* does not support this parameter.

System Action: The parameter is not supported so it can not be honored.

User Response: Either correct the STORCLAS statement or determine why the parameter is not supported on the STORMNGR.

SLS6998I

VTV *VVVVV* is being recalled from tapeplex *TTTTTTTT*

Explanation: In order to satisfy a mount request on the local tapeplex, VTCS has issued a cross TapePlex autorecall (CTA) request to recall the VTV from remote TapePlex *TTTTTTTT*. The remote tapeplex will EEXPORT the VTV to the local TapePlex, which will then complete the mount.

System Action: Local system performs CTA processing to satisfy a mount request.

User Response: None.

SLS7501E

No MVC volumes have been defined

Explanation: No MVC volumes have been defined in the CDS but RTDs have been defined.

System Action: VTCS processing continues, though processing may be severely impacted due to an inability to migrate VTVs.

User Response: Define MVC volumes or delete the RTDs from the VTCS configuration. MVC volumes may be defined by using one of the following methods:

- The SET VOLPARM command.
- CONFIG MVCVOL statement(s).

Message SLS7501E will be deleted automatically when MVC volumes have been defined or if the RTDs are deleted from the VTCS configuration.

SLS7504E

No STORMNGRs were found with deduplication enabled.

Explanation: No STORMNGRs were found with the deduplication feature enabled. The Storage Class report only reports on STORMNGRs with the deduplication feature enabled.

System Action: The utility ends with return code 8.

User Response: Once the deduplication feature is enabled, re-run the report.

SLS7507I

Invalid (MAXAGE|TIMEOUT) *n* specified

Explanation: An invalid MAXAGE and/or TIMEOUT value was specified on the DRMONitr utility command statement.

System Action: The DRMONitr utility aborts with return code 8.

User Response: Correct the value and re-submit the utility.

SLS7508I

DRMONitr runtime has exceeded TIMEOUT limit of *nnn* minutes

Explanation: The runtime of the DRMONitr utility has exceeded the allowable runtime (nnn), in minutes, specified by the TIMEOUT parameter.

System Action: The DRMONitr utility aborts with return code 8.

User Response: Investigate the reason for the timeout condition. Adjust the TIMEOUT value accordingly.

SLS7509I

VTV selection by (MGMTclas|VTVid|DSN) found no VTVs to monitor

Explanation: The specified VTV selection criteria choice (MGMTclas, VTVid or DSN) could not select any VTVs to monitor.

System Action: The DRMONitr utility aborts with return code 8.

User Response: Ensure the correct selection criteria is specified for VTV selection. Also note any utility exception messages which may indicate the reason for no VTV selection.

SLS7510I

VTV {selection|destination} criteria not specified on DRMONitr utility command statement

Explanation: The DRMONitr utility command statement does not specify:

■ any selection criteria for identifying VTVs to monitor or
■ any destination criteria for identifying VTV copy destinations

System Action: The DRMONitr utility aborts with return code 8.

User Response: If VTV selection criteria not specified caused the error you must specify MGMTclas, VTVid, or DSN on the DRMONitr command statement to identify VTVs to monitor. If VTV destination criteria not specified caused the error you must specify STORclas and/or REPLICAT to identify VTV copy destination.

SLS7511I

```
Required function not specified on DRCHKPT utility command
statement
```

Explanation: The DRCHKPT utility command statement does not specify the required function. SET or CLEAR must be specified on the DRCHKPT utility command statement for this purpose.

System Action: The DRCHKPT utility aborts with return code 8.

User Response: Specify SET or CLEAR on the DRCHKPT command statement to specify the desired function.

SLS7512E

```
MVC MMMMMM rejected for migration because it needs to be
audited to resolve anomalies
```

Explanation: MVC *MMMMMM* was selected for migration, but cannot be used as VTCS has calculated that there is a negative amount of space remaining on the MVC.

This can occur if the CDS is not synchronized with the contents of the MVC.

System Action: VTCS changes the status of the MVC to 'audit required' to prevent migrations to it until it has been audited.

User Response: Run AUDIT MVC(*mmmmmm*) to ensure the CDS accurately reflects the contents of the MVC. Contact StorageTek Software Support if you do not understand how this error occurred or if you require assistance.

SLS7513I

```
RECALWER=YES|NO is an obsolete parameter. RECALWER=NO is now
the default always used.
```

Explanation: The default for recall with error processing may no longer be specified in the CONFIG GLOBAL statement. RECALWER=NO is the product default.

If recall with error processing is desired it may be specified explicitly on those commands which support it, e.g. CONSOLID, EEXPORT, MVCDRAIN and RECALL.

System Action: The CONFIG utility continues processing.

User Response: At a convenient time, update the CONFIG file to remove the obsolete parameter RECALWER.

SLS7514I

```
Incompatible VTCS configuration detected by DRCHKPT utility
```

Explanation: The DRCHKPT utility detected a VTCS configuration incompatibility in the CDS.

System Action: The DRCHKPT utility aborts with return code 8.

User Response: Run the CONFIGuration utility to correct the VTCS configuration incompatibility in the CDS.

SMC Messages

This chapter describes messages issued by SMC. These messages are identified by the "SMC" prefix.

Note – Messages in the SMC5000 range are issued by SMC utilities.

SMC0000

```
{(CCCCCCCC)} command string
```

Level: 0

Explanation: The SMC received an input command from an operator console. The console name or user ID, if available, is listed followed by the command string.

System Action: None.

User Response: None.

SMC0001

```
SMC subsystem initializing
```

Level: 0

Explanation: The MSP start command was entered for the SMC, and the SMC subsystem initialization process has begun.

System Action: None.

User Response: None.

SMC0002

```
CCCCCCCCCCCCCCCC failed; return code=XXXX1, reason code=XXXX2
```

Level: 0

Explanation: MSP facility or macro *CCCCCCCCCCCCCCCC* completed with the specified nonzero return code *XXXX1* and reason code *XXXX2*.

System Action: Depending upon the type of error, initiation/termination may try to continue. If the MSP facility is listed as *Requested SDUMP*, the error occurred during the TRACE SNAP process, and processing will continue without producing the requested SDUMP.

User Response: Look for IBM related messages in the SYSLOG or job log, and refer to the appropriate IBM documentation for the explanation.

SMC0003

```
SMC subsystem SSSS terminating
```

Level: 0

Explanation: The MSP stop command was entered for the SMC, and the SMC subsystem termination process has begun.

System Action: None.

User Response: None.

SMC0004

```
MSP release is down-level
```

Level: 0

Explanation: An attempt was made to initialize the SMC on an MSP system that does not support the necessary services required by this version of SMC.

System Action: The SMC subsystem terminates.

User Response: Upgrade MSP to the required release level.

SMC0005

```
Invalid command CCCCCCCC [at line nnnn of SMCCMDS|SMCPARMS]
```

Level: 0

Explanation: An undefined command, *CCCCCCCC*, was encountered by the SMC.

System Action: Processing continues. The command is ignored.

User Response: Ensure that the syntax in the command data set is correct, or enter the corrected command.

SMC0006

```
SMC subsystem not dynamic
```

Level: 0

Explanation: The SMC was defined as a nondynamic subsystem using the positional form of the IEFSSN*xx* parmlib member. The SMC must run as a dynamic subsystem.

System Action: The SMC subsystem terminates.

User Response: Use the keyword format of the subsystem definition in the IEFSSN*xx* parmlib member to define the SMC subsystem, or remove the SMC subsystem from the IEFSSN*xx* parmlib member.

SMC0007

```
SMCCVT incompatible with previous version; defaulting to COLD
start
```

Level: 4

Explanation: During initialization, the SMC subsystem detected that the prior SMC subsystem of the same name was an incompatible version. The COLD start parameter was not specified.

System Action: Initialization continues, but in COLD start mode (the SMC subsystem CVT is rebuilt).

User Response: None.

SMC0008

```
Not running from an authorized linklib; SMC subsystem
terminating
```

Level: 0

Explanation: The SMC subsystem initialization module, SMCBINT, was executed from an unauthorized library.

System Action: The SMC subsystem terminates.

User Response: Ensure that the SMC link library is APF authorized.

SMC0009

```
Job JJJJJJJJ JOBnnnn active at termination
```

Level: 4

Explanation: The SMC subsystem received the MSP stop ('P') command, but there is an active job, *JJJJJJJJ*, in tape allocation or message processing. The SMC0012 message was issued previously, but the job allocation or message processing has not completed after waiting one minute.

System Action: Termination continues. No allocation influencing is performed for the job, and mounts or dismounts will not be automated.

User Response: None.

SMC0010

```
Unable to acquire storage for CCCCCCCC; return code=XXXX
```

Level: 0

Explanation: During initialization, the SMC subsystem could not acquire sufficient storage for the specified dynamic control block or module, *CCCCCCCC*.

System Action: The SMC subsystem terminates.

User Response: Ensure that there is sufficient CSA storage available. Refer to the appropriate IBM documentation for the explanation of return code *XXXX*.

SMC0011

```
Load failed for module MMMMMMMM
```

Level: 0

Explanation: The SMC subsystem could not load the required module *MMMMMMMM*.

System Action: The SMC subsystem terminates.

User Response: Ensure that the SMC startup procedure has access to all SMC distributed load libraries in its steplib concatenation.

SMC0012

```
Termination waiting for job JJJJJJJJ JOBnnnnn [in
allocation|in message handling]
```

Level: 0

Explanation: The SMC subsystem received the MSP stop command, but there is an active job *JJJJJJJJ* in tape allocation or message handling.

System Action: The SMC waits for 30 seconds or until all active processes are complete.

User Response: Ensure that there are no jobs performing tape allocation or message handling when the SMC is terminated. Respond to any MSP allocation recovery messages.

SMC0013

```
TRACE settings:
CCCC....CCCC
```

Level: 0

Explanation: The TRACE command was specified with the LIST keyword. The SMC0013 multiline message lists the current settings for the SMC subsystem.

System Action: None.

User Response: None.

SMC0014

```
Unmatched [quote|or invalid parenthesis] detected; command
ignored [at line nnnn of SMCCMDS|SMCPARMS]
```

Level: 0

Explanation: The SMC encountered a command containing an unterminated quoted string, or invalid or unmatched parenthesis.

System Action: Processing continues. The command is ignored.

User Response: Ensure that the syntax in the command data set is correct, or enter the corrected command.

SMC0015

```
Invalid keyword KKKKKKKK for the CCCCCCCC command [at line
nnnn of SMCCMDS|SMCPARMS]
```

Level: 0

Explanation: The SMC encountered a command that specified an invalid keyword *KKKKKKKK*.

System Action: Processing continues. The command is ignored.

User Response: Ensure that the syntax in the command data set is correct, or enter the corrected command.

SMC0016

```
Invalid value VVVVVVV for keyword KKKKKKKK of the CCCCCCCC
command [at line nnnn of SMCCMDS|SMCPARMS]
```

Level: 0

Explanation: The SMC encountered a command that specified keyword *KKKKKKKK* with an invalid value *VVVVVVVV*.

System Action: Processing continues. The command is ignored.

User Response: Ensure that the syntax in the command data set is correct, or enter the corrected command.

SMC0017

```
Keyword KKKKKKKK of the CCCCCCCC command requires a value [at
line nnnn of SMCCMDS|SMCPARMS]
```

Level: 0

Explanation: The SMC encountered a command that specified keyword *KKKKKKKK* without an accompanying value (required by most keywords).

System Action: Processing continues. The command is ignored.

User Response: Ensure that the syntax in the command data set is correct, or enter the corrected command.

SMC0018

```
Keyword KKKKKKKK of the CCCCCCCC command is not allowed for
EEEEEEEE [at line nnnn of SMCCMDS|SMCPARMS]
```

Level: 0

Explanation: The SMC encountered a command that specified keyword *KKKKKKKK,* which is not valid in the current operating environment *EEEEEEEE.*

System Action: Processing continues. The command is ignored.

User Response: Ensure that the specified keyword is valid in your environment.

SMC0019

```
Duplicate keyword KKKKKKKK specified for the CCCCCCCC command
[at line nnnn of SMCCMDS|SMCPARMS]
```

Level: 0

Explanation: The SMC encountered a command that specified the same keyword, *KKKKKKKK,* more than once.

System Action: Processing continues. The command is ignored.

User Response: Ensure that the syntax in the command data set is correct, or enter the corrected command.

SMC0020

```
Keyword KKKKKKK1 of the CCCCCCCC command is mutually exclusive
with keyword KKKKKKK2 [at line nnnn of SMCCMDS|SMCPARMS]
```

Level: 0

Explanation: The SMC encountered a command that specified multiple keywords, two of which (*KKKKKKK1* and *KKKKKKK2)*, are mutually exclusive.

System Action: Processing continues. The command is ignored.

User Response: Ensure that the syntax in the command data set is correct, or enter the corrected command.

SMC0021

```
{COLD|WARM} start failure
```

Level: 0

Explanation: During initialization, the SMC subsystem detected an error.

System Action: The SMC subsystem terminates.

User Response: Look for SMC related messages in the SYSLOG or job log. Associated messages may be (but are not limited to) SMC0002, SMC0004, SMC0006, SMC0008, SMC0010, or SMC0011.

SMC0022

```
Invalid format or missing keywords for the CCCCCCCC command
[at line nnnn of SMCCMDS|SMCPARMS]
```

Level: 0

Explanation: The SMC encountered a command *CCCCCCCC* that contained either too many or too few keywords in the command line.

System Action: Processing continues. The command is ignored.

User Response: Ensure that the syntax in the command data set is correct, or enter the corrected command.

SMC0023

```
CCCCCCCC command successfully processed [at line nnnn of
SMCCMDS|SMCPARMS]
```

Level: 0

Explanation: The *CCCCCCCC* command was successfully validated and processed by the SMC.

System Action: None.

User Response: None.

SMC0024

SSSS `subsystem initialization complete; RC=`*NN*

Level: 0

Explanation: The SMC initialization process has completed with a maximum return code of *NN*. The return code may have come either from processing the SMCPARMS or SMCCMDS file, or it may have come from the automatic resynchronization (attempt to communicate with defined TapePlexes).

- If the SMCBINT MAXRC(*NN*) program parameter was specified, and the value exceeds the specified MAXRC, and the return code was set by an input command, then the subsystem terminates.
- If the SMCBINT PLEXRC(*NN*) program parameter was specified, and the value exceeds the specified PLEXRC, and the return code was set by an attempt by SMC to communicate with defined TapePlexes, then the subsystem terminates.
- If the MAXRC or PLEXRC parameters are not specified, or if the return code for processing the commands or automatic TapePlex resynchronization does not exceed the specified values, then SMC is ready to begin normal operations.

System Action: None.

User Response: None.

SMC0025

`No {`*CCCCCCCC*`|control block} entries to list [(no JES3 tape setup)]`

Level: 0

Explanation: One of the following occurred:

- Command *CCCCCCCC* was specified with the LIST keyword. However, no entries were found in the SMC queue for the specified command.
- A LIST command was specified with a control block keyword. However, no control blocks of the specified type were found.
- A LIST command was specified for an SMC JES3 specific control block name. However, the SMC is not operating on a system with JES3 tape setup.

System Action: None.

User Response: None.

SMC0027

`Keyword `*KKKKKKK1*` of the `*CCCCCCCC*` command requires keyword` *KKKKKKK2* `[at line `*nnnn*` of SMCCMDS|SMCPARMS]`

Level: 0

Explanation: The SMC encountered a command that specified keyword *KKKKKKK1*, but not the required co-requisite keyword, *KKKKKKK2*.

System Action: Processing continues. The command is ignored.

User Response: Ensure that the syntax in the command data set is correct, or enter the corrected command.

SMC0028

```
STOP command received
```

Level: 0

Explanation: The MSP stop ('P') command was received by the SMC, and the SMC subsystem termination process is set to begin.

System Action: The SMC subsystem begins termination processing.

User Response: None.

SMC0029

```
CCCCCCCC command processing error; [matching entry not
found|command line truncated; will be ignored|parameter
truncated; command ignored] [at line nnnn of SMCCMDS|SMCPARMS]
```

Level: 0

Explanation: An error was found processing the *CCCCCCCC* command.

System Action: Processing continues. The command is ignored.

User Response: Use the LIST keyword to list the current SMC queue of entries; then ensure that the syntax in the command data set is correct, or enter the corrected command.

SMC0030

```
TRACE JOBNAME=JJJJJJJJ [STEPNAME=SSSSSSSS]
[PROCSTEP=PPPPPPPP] [SNAPDUMP DDDDDDDD] CCCCCCCC
```

Level: 0

Explanation: The TRACE command was specified with the LIST keyword. The SMC0030 message lists the jobs, step, and PROC steps and the associated processes which have been specified for tracing.

System Action: None.

User Response: None.

SMC0031

```
No SMC start mode specified; defaulting to WARM start
```

Level: 4

Explanation: During SMC initialization, the subsystem detected that neither a WARM or COLD start was specified in the initialization program's execution parameters.

System Action: Initialization continues in WARM start mode.

User Response: None.

SMC0032

Number of SMC startup parameters specified exceeds maximum of
n

Level: 0

Explanation: During initialization, the SMC subsystem initialization program encountered an execution parameter string containing too many parameters.

System Action: The SMC subsystem terminates.

User Response: Correct the subsystem initialization startup procedure to specify the correct execution parameter string.

SMC0033

SMC startup parameter *PPPPPPPP* may not have a value

Level: 0

Explanation: During initialization, the SMC subsystem initialization program encountered a valid execution parameter, but it was specified as a keyword=value pair, where no value is allowed.

System Action: The SMC subsystem terminates.

User Response: Correct the subsystem initialization startup procedure to specify the correct execution parameter string.

SMC0034

SMC startup parameter *PPPPPPPP* must have a value

Level: 0

Explanation: During initialization, the SMC subsystem initialization program encountered a valid execution parameter, but it was not specified as a keyword= value pair, and a value is required.

System Action: The SMC subsystem terminates.

User Response: Correct the subsystem initialization startup procedure to specify the correct execution parameter string.

SMC0035

Error processing SMC startup parameter *PPPPPPPP*; *CCCCCCCCCCCC*

Level: 0

Explanation: During initialization, the SMC subsystem initialization program encountered an error in the execution parameter string. The string *CCCCCCCCCCCC* indicates the type of error encountered.

System Action: The SMC subsystem terminates.

User Response: Correct the subsystem initialization startup procedure to specify the correct execution parameter string.

SMC0036

SMC startup parameter *PPPPPPPP* successfully processed

Level: 4

Explanation: During SMC initialization, the execution parameter *PPPPPPPP* was successfully verified and processed.

System Action: None.

User Response: None.

SMC0037

Invalid SMC startup parameters; subsystem terminating

Level: 0

Explanation: During initialization, the SMC subsystem initialization program detected an error processing the execution parameter string.

System Action: The SMC subsystem terminates.

User Response: Look for SMC related messages in the SYSLOG or job log. Associated messages may be (but are not limited to) SMC0032 SMC0033, SMC0034, or SMC0035.

SMC0038

Another SMC system *SSSS* is already active

Level: 0

Explanation: During initialization, the SMC subsystem initialization program detected a different SMC subsystem, *SSSS,* already active on the system.

System Action: The initializing SMC subsystem terminates.

User Response: Only one SMC can be active on a system at a time.

- If SMC *SSSS* is active, and is preventing the current SMC from initializing, terminate SMC *SSSS*.
- If SMC *SSSS* was terminated abnormally and is not truly active, restart the current SMC subsystem with the RESET execution parameter.

SMC0039

Identically named subsystem *SSSS* is already active

Level: 0

Explanation: During initialization, the SMC subsystem initialization program detected an identically named subsystem *SSSS* already active on the system.

System Action: The initializing SMC subsystem terminates.

User Response: Determine whether the subsystem SMC *SSSS* is active. If so, terminate SMC *SSSS*. If SMC *SSSS* was terminated abnormally and is not truly active, restart the current SMC subsystem with the RESET execution parameter.

SMC0040

SMC subsystem *SSSS* is already active; RESET specified; startup
continuing

Level: 4

Explanation: During initialization of SMC subsystem *SSSS,* the initialization
program detected that the prior SMC subsystem terminated abnormally, but the user
specified the RESET execution parameter to ignore this condition.

System Action: None.

User Response: None.

SMC0041

{Command|Comment} beginning at line *nnnn of {SMCCMDS|SMCPARMS}*
is unterminated

Level: 4

Explanation: A command or comment beginning at line *nnnn* of an input command
file ended with a continuation character (+), but no continuation was found.

System Action: Processing continues. The command containing the unterminated
string is ignored.

User Response: Ensure that the syntax in the command data set is correct.

SMC0042

Job *JJJJJJJJ* step *SSSSSSSS* not allocatable before SMC
modification

Level: 4

Explanation: During execution of job *JJJJJJJJ* step *SSSSSSSS*, the SMC allocation
component detected that the job step was not allocatable before any allocation
influencing was performed.

System Action: None. The job is failed by MSP or express-canceled by JES3.

User Response: Correct the JCL.

SMC0043

Job *JJJJJJJJ* step *SSSSSSSS* not allocatable at MINLVL=*nn*;
actual failing level=*nn*; failing DD *DDDDDDDD*

Level: 4

Explanation: During execution of a job with tape allocation, the SMC allocation
component detected that the job is not allocatable at the specified minimum
exclusion level (MINLVL).

System Action: The job is failed by MSP or express-canceled by JES3.

User Response: Correct the JCL, or change the MINLVL for the specified job to a
value below the failing level.

SMC0044

```
SMC subsystem termination in progress; no allocation influence
for job JJJJJJJJ step SSSSSSSS
```

Level: 8

Explanation: During execution of job *JJJJJJJJ* step *SSSSSSSS*, the SMC allocation component detected that the SMC subsystem was being terminated.

System Action: No allocation influencing is performed for the job.

User Response: None.

SMC0045

```
Conflicting exclusion criteria for job JJJJJJJJ step SSSSSSSS
DD DDDDDDDD
```

Level: 8

Explanation: Messages SMC0045 and SMC0046 are always produced together. See the explanation for message SMC0046 for more information.

System Action: None.

User Response: None.

SMC0046

```
CCCCCCCCCCCCCCCC would have excluded all devices; not honored
```

Level: 8

Explanation: When the SMC allocation component attempted to apply the exclusion criteria *CCCCCCCCCCCCCCCC* for job *JJJJJJJJ* step *SSSSSSSS* DD *DDDDDDDD*, no devices remained in the current exclusion level EDL. The SMC0045 and SMC0046 messages are always produced together.

For information about exclusion criteria, refer to the Drive Exclusion Level tables in your SMC publications.

System Action: None. The criteria that would have eliminated all devices is ignored.

User Response: Examine the message to determine which exclusion criteria could not be honored. If possible, change the specification of the allocation policy to eliminate policies that conflict, for example, specifying a subpool name or esoteric name incompatible with media or recording technique.

SMC0047

```
Esoteric EEEEEEEE contains no known devices; ignored for job
JJJJJJJJ step SSSSSSSS DD DDDDDDDD
```

Level: 8

Explanation: During execution of job *JJJJJJJJ* step *SSSSSSSS*, the SMC allocation component encountered a user policy esoteric, *EEEEEEEE* (from POLicy, TAPEREQ or user exit), that did not contain any tape devices in the current EDL.

System Action: The specified esoteric is ignored.

User Response: None.

SMC0048

Support ending for *CCCCCCCC1*, change to *CCCCCCCC2*

Level: 0

Explanation: A *CCCCCCCC1* command or keyword was entered. However, the command or keyword will not be supported in the next release, where the *CCCCCCCC2* command or keyword will provide equivalent functionality.

System Action: None.

User Response: Change the *CCCCCCCC1* command or keyword to *CCCCCCCC2*.

SMC0049

No eligible TAPEPLEX for job *JJJJJJJJ*

Level: 8

Explanation: During execution of job *JJJJJJJJ*, the SMC allocation component did not find any TapePlexes at the correct release level, or no valid TAPEPlex commands were processed.

System Action: If ALLOCDEF FAILnoinfo is specified, the SMC marks all devices ineligible. Otherwise, no allocation influencing is performed for the job.

User Response:

- If TapePlexes are implied using the MSP SSCVT chain or via the TAPEPlex command LOCSUBsys parameter, ensure that the HSC on the host are active and at the correct level.
- If TapePlexes on another host are defined using the TAPEPlex command, ensure that the HSC on the remote host defined by the SERVer command is active and at the correct level. Also ensure that the HTTP server is active on the remote host.

SMC0051

SMC subsystem interface error for job *JJJJJJJJ*; reason=
SSSSSSSS function=*CCCCCCCC*

Level: 4

Explanation: SMC processing in an MSP initiator address space attempted to communicate with the SMC subsystem in order to process an allocation or mount request but encountered an error. The reason for the failure is *SSSSSSSS* while the function attempted was *CCCCCCCC*.

System Action: The SMC terminates its processing of the allocation or mount request.

User Response: Investigate the cause of the error by looking for related SMC subsystem or MSP error messages.

SMC0052

User exit *nn* {inactive|abended and disabled}

Level: 8

Explanation: During execution of a job, the SMC allocation or message handling component invoked the user exit *nn*. However, the user exit is currently inactive or has abended and is now disabled.

System Action: Processing continues without the user exit.

User Response: Correct the user exit.

SMC0053

```
**** SMC U1099 ABEND AT CCCCCCCCn ****
```

Level: 0

Explanation: An SMC task has abended in module *CCCCCCCC* at abend sequence number *n*.

System Action: If the abend occurs in the address space of a tape allocation job, the SMC subsystem does not influence the job's allocation. If the abend occurs in the SMC started task address space, a restart of the SMC subsystem may be required.

User Response: Look for SMC or IBM related messages in the SYSLOG or job log. Save the associated logs, dump data set, and JCL, and contact StorageTek Software Support.

SMC0054

```
MSGJOB LVL=nn for {DEFAULT SETTING|JOBNAME=JJJJJJJJ}
[STEPNAME=SSSSSSSS][PROCSTEP=PPPPPPPP]
```

Level: 0

Explanation: A MSGJOB command was specified with the LIST keyword. Each unique job, job step, and PROC step entry found in the MSGJOB queue is displayed in a separate SMC0054 message, followed by the SMC defaults in a final SMC0054 message. *nn* indicates the message level, and any messages at that indicated level or lower are produced on that job's job log in JES.

System Action: None.

User Response: None.

SMC0055

```
ALLOCJOB {BYPASSed|MINLVL=nn}[SEPLVL=MIN|MAX|nn] for {JOBNAME=
JJJJJJJJ}[STEPNAME=SSSSSSSS][PROCSTEP=PPPPPPPP][SNAPDUMP
DDDDDD] PPPPPPPP
```

Level: 0

Explanation: An ALLOCJOB command was issued with the LIST keyword. Each unique job, job step, and PROC step entry found in the ALLOCJOB queue is displayed in a separate SMC0055 message. The BYPASSED message indicates that the specified job, job step, or PROC step will not have any of its tape allocations influenced by the SMC. MINLVL=*nn* indicates the desired minimum exclusion level at which affinity and GDG chains are separated.

System Action: None.

User Response: None.

SMC0056

```
nn Bytes:
AAAAAAAA +0000| XX.XX XX.XX XX.XX XX.XX | CC..CC |
AAAAAAAA +0010| XX.XX XX.XX XX.XX XX.XX | CC..CC |
AAAAAAAA +0000| XX.XX XX.XX XX.XX XX.XX | CC..CC |
```

Level: 0

Explanation: An SMC LIst command was issued. The SMC0056 multiline message lists the *nn* bytes of storage in translated hexadecimal (*xx.xx*) and character (*cc.cc*) format, each line listing the next 16 bytes (X'10') bytes of storage, beginning at hexadecimal address *aaaaaaaa*.

System Action: None.

User Response: None.

SMC0057

```
No {SMCPARMS|SMCCMDS} DDNAME statement found
```

Level: 8

Explanation: During SMC initialization, the specified SMCPARMS DD or SMCCMDS DD was not present in the SMC startup procedure.

System Action: Initialization continues.

User Response: None.

SMC0058

```
Error opening {DDNAME {SMCPARMS|SMCCMDS}|DSNAME DDDDDDDD}
```

Level: 0

Explanation: The SMC encountered a READ command, but the specified DDNAME or DSNAME could not be opened.

System Action: The READ command is ignored.

User Response: Look for IBM related messages in the SYSLOG or job log, and refer to the appropriate IBM documentation for more information.

SMC0059

```
Identically named subsystem SSSS is initializing
```

Level: 0

Explanation: During initialization, the SMC subsystem initialization program detected an identically named SMC subsystem, *SSSS*, already being initialized (but not yet fully active).

System Action: The currently initializing SMC subsystem terminates.

User Response: Only one SMC can be active on a system at a time. If the prior SMC subsystem, *SSSS*, was terminated abnormally, and is not truly active, then restart SMC *SSSS* with the RESET execution parameter.

SMC0060

```
I/O error reading {DDNAME {SMCPARMS|SMCCMDS}|DSNAME DDDDDDDD}
```

Level: 0

Explanation: The SMC received an I/O error attempting to read the SMCPARMS or SMCCMDS data set specified in the SMC started procedure or a data set specified on a READ command.

System Action: The indicated data set is not processed.

User Response: Determine the cause of the error. If the input data set is a PDS, ensure that a member name was specified.

SMC0061

```
Command beginning at line nnnn of {SMCCMDS|SMCPARMS} is too
long; input ignored
```

Level: 4

Explanation: The SMC encountered a multi-line command beginning at line *nnnn* of the specified file. This command exceeds 1024 characters in length.

System Action: Processing continues. The entire multi-line is ignored.

User Response: Ensure that the command data set has the correct syntax.

SMC0062

```
Command CCCCCCCC [with parameter PPPPPPPP] is not allowed
[{from console|at line nnnn of SMCCMDS|SMCPARMS}]
```

Level: 0

Explanation: The SMC encountered a command or a command parameter that is not supported for the indicated command origin. For example, the READ command is not supported if encountered during processing of another READ command.

System Action: The command is ignored.

User Response: Issue the command from a valid command origin.

SMC0063

```
MSGDEF settings:
CCCC....CCCC
```

Level: 0

Explanation: A MSGDEF command has been issued with the LIST keyword. The SMC0063 multiline message lists the current settings for the SMC subsystem.

System Action: None.

User Response: None.

SMC0066

```
ALLOCDEF settings:
CCCC....CCCC
```

Level: 0

Explanation: An ALLOCDEF command has been issued with the LIST keyword. The SMC0066 multiline message lists the current settings for the SMC subsystem.

System Action: None.

User Response: None.

SMC0067

```
SMSDEF settings:
CCCC...CCCC
```

Level: 0

Explanation: An SMSDEF command has been issued with the LIST keyword. The SMC0067 multiline message lists the current settings for the SMC subsystem.

System Action: None.

User Response: None.

SMC0068

```
Cannot substitute for esoteric EEEEEEEE at MINLVL=n job
JJJJJJJJ step SSSSSSSS DD DDDDDDDD
```

Level: 8

Explanation: During execution of job *JJJJJJJJ* step *SSSSSSSS* on JES3, the SMC allocation component determined that the job step was not allocatable at the specified minimum level (MINLVL).

For example, if you are executing at the default minimum exclusion level 2, this message indicates that the SMC is unable to select an esoteric containing only drives compatible with the media type of a specific volume.

System Action: None. No esoteric substitution is performed. The job may later fail because a volume is requested on an incompatible drive.

User Response: Refer to your SMC publications for an explanation of esoteric definition requirements.

SMC0069

```
TREQDEF command already in progress.
```

Level: 0

Explanation: An SMC TREQDEF was entered, but a TREQDEF command is already being processed by the SMC.

System Action: The second TREQDEF command is suppressed.

User Response: Wait for the first TREQDEF command to complete execution before a new TREQDEF command is entered.

SMC0070

SMC maintenance has been applied; reassemble SMCERSLV

Level: 0

Explanation: SMC maintenance was applied and affected the module SMCERSLV, but SMCERSLV was not reassembled.

System Action: The SMC does not initialize.

User Response: Reassemble SMCERSLV using the correct level of SMC macros and restart the SMC.

SMC0071

SMCERSLV JES3 release level *LLLLLL1* does not match JES3 release level *LLLLLL2*

Level: 0

Explanation: Module SMCERSLV was assembled using a different JES3 release level *LLLLLL1* than the active JES3 release level *LLLLLL2*.

System Action: The SMC does not initialize.

User Response: Reassemble SMCERSLV using the correct level of JES3 macros and restart the SMC.

SMC0073

JES3 C/I waiting for SMC to initialize; Start SMC or reply "GO" to continue

Level: 0

Explanation: JES3 has begun scanning the JCL of jobs requiring tape mounts and the SMC is not initialized and cannot influence allocation.

System Action: One JES3 C/I process waits until the SMC has been started or the operator has replied "GO".

User Response: Start the SMC or reply "GO" to proceed without SMC allocation influence.

SMC0074

Unsupported virtual label type for job *JJJJJJJJ* step *SSSSSSSS* DD *DDDDDDDD*

Level: 8

Explanation: All virtual devices were previously excluded for the DD because of an unsupported label type (NL). A subsequent exclusion criteria requesting virtual drives could not be honored. Message SMC0046 describes the criteria not honored.

System Action: The DD is allocated to a nonvirtual drive. Nonlibrary drives are preferred over library drives.

User Response: Change the JCL to request a supported label type, or change the policy to direct the allocation to a different device type.

SMC0075

```
SEPLVL cannot be less than MINLVL on the CCCCCCCC command [at
line nnnn of SMCCMDS|SMCPARMS]
```

Level: 0

Explanation: The SMC encountered a command that specified either a SEPLVL that is lower than the applicable MINLVL or a MINLVL higher than the applicable SEPLVL.

System Action: Processing continues. The command is ignored.

User Response: Ensure that command MINLVL and SEPLVL values are correct in the command data set, or enter the corrected command.

SMC0076

```
Xtype CCCCCCCC (XX) has inconsistent {device type|location
type|VTSS|ACS} between device XXXX1 and device XXXX2
```

Level: 4

Explanation: In a JES3 environment, the SMC encountered an XTYPE that contains nonhomogeneous devices, where *CCCCCCCC* represents the JES3 SETNAME name. Use of this XTYPE may result in allocation to an incorrect device based on media, recording technique, or location.

System Action: Allocation is performed based on the device characteristics of the first device encountered in the XTYPE.

User Response: Refer to your SMC publications for JES3 initialization parameter requirements.

SMC0077

```
Subtask CCCCCCCC terminating at retry count n; please stop and
restart SMC subsystem
```

Level: 0

Explanation: The specified SMC subsystem task abnormally terminated *N* times, and could not be restarted. The subsystem is now operating without a required service.

System Action: Processing continues. However, specific allocation or command facilities may be affected.

User Response: Stop and restart the SMC subsystem. If the named subtask is SMCOCMD, use the MSP CANCEL command to terminate the subsystem.

SMC0078

```
No command prefix defined
```

Level: 0

Explanation: No CMDDEF command specified a command prefix in the SMCPARMS data set.

System Action: Processing continues.

User Response: If a command prefix is desired, add the CMDDEF command to the SMCPARMS data set. The command is processed the next time SMC is initialized.

SMC0079

```
The command prefix is PPPPPPPP
```

Level: 0

Explanation: The command prefix for the subsystem is set to *PPPPPPPP.*

System Action: The SMC now accepts commands prefixed with *PPPPPPPP.*

User Response: None.

SMC0080

```
Command prefix value VVVVVVV contains invalid character C at
line nnnn of SMCPARMS
```

Level: 0

Explanation: The command prefix value *VVVVVVV* of the CMDDEF command contained an invalid character *C*.

System Action: Processing continues. The command is ignored.

User Response: Review the list of valid characters for the command prefix listed with the CMDDEF command description. Update the CMDDEF command in the SMCPARMS data set with the new prefix value. The command is processed the next time the SMC is initialized.

SMC0081

```
Command prefix not added; [prefix is not unique|CPF system
error]
```

Level: 0

Explanation: The command prefix was disallowed by the CPF facility because the prefix was not unique or a system error occurred.

System Action: Processing continues. The command is ignored.

User Response:

- If the prefix is not unique, issue the MSP DISPLAY OPDATA command and compare the prefix with those of the other subsystems. The command prefix **cannot** include a command string, a command abbreviation, or any string that invokes a command. The command prefix **cannot** include a string that is a subset or superset of an existing prefix beginning with the same character.
- If a CPF error occurred, look for IBM related messages in the SYSLOG and refer to the appropriate IBM documentation for the explanation.

SMC0082

```
Command prefix already set
```

Level: 0

Explanation: The command prefix can be specified only once while the SMC is initializing and cannot be changed during execution.

System Action: Processing continues. The command is ignored.

User Response: To change the command prefix, update the CMDDEF statement in the SMCPARMS data set and recycle the SMC.

SMC0083

```
Unable to locate {JES3 SETNAME table|JES3 SETUNIT table}
```

Level: 0

Explanation: During SMC subsystem initialization on a JES3 system, the indicated JES3 control structures could not be located. The SMC could not initialize.

System Action: The SMC subsystem terminates.

User Response: Reassemble SMCERSLV with the current level of JES3 macros. Refer to *Installing ELS* for more information.

SMC0084

```
MMM DD YYYY HH:MM:SS SSSS active on hostid HHHH
```

Level: 4

Explanation: The date (*MMM DD YYYY*), time (*HH:MM:SS*), subsystem name (*SSSS*) and MSP hostid (*HHHH*) are displayed once a day at midnight and during SMC initialization.

System Action: None.

User Response: None.

SMC0085

```
SMCBPREI: IEFSSI failed RC=XX RS=XXXX
```

Level: 0

Explanation: The SMC subsystem pre-initialization routine (SMCBPREI) encountered an error.

System Action:

- If the Return Code (RC) is 4 or less, the SMC subsystem was defined.
- If the Return Code (RC) is 8 or higher, the SMC subsystem was not defined.

User Response: Investigate the Return Code (RC) and Reason (RS) and take the necessary action. The return code and reason are documented in the IBM manual *MSP Programming: Authorized Assembler Service Reference*.

SMC0086

```
SMC SUBSYSTEM TASKS:
A(PCE)   A(TCB)   USE    CT-S PROGRAM  JOBNAME  JOBID LAST
-------- -------- -----  ---- -------- -------- ----- -----
XXXXXXXX XXXXXXXX 00001  BB-W SMCBINT  JJJJJJJJ Jnnnn TTTTTT
XXXXXXXX XXXXXXXX 00001  BM-W SMCBMID  JJJJJJJJ Jnnnn TTTTTT
XXXXXXXX XXXXXXXX 00001  QM-W SMCQMGR  JJJJJJJJ Jnnnn TTTTTT
XXXXXXXX XXXXXXXX 00001  J
XXXXXXXX XXXXXXXX 00001  O -W SMCOCMD  JJJJJJJJ Jnnnn TTTTTT
XXXXXXXX XXXXXXXX 00001  BL-W SMCBLOG  JJJJJJJJ Jnnnn TTTTTT
XXXXXXXX XXXXXXXX 00001  QW-X SMCQWRK  JJJJJJJJ Jnnnn TTTTTT
....
XXXXXXXX XXXXXXXX nnnnn QW-X SMCQWRK  JJJJJJJJ  Jnnnn TTTTTT
SMCQWRK executing tasks=nn waiting tasks=nn requests=nn
```

Level: 0

Explanation: An SMC LIST TASK command was issued. The SMC0086 multiline message lists status of each SMC subsystem task. The last line lists the number of SMCQWRK tasks currently executing, waiting for work, as well as the total number of requests processed.

System Action: None.

User Response: None.

SMC0087

```
EXTVOLESOT esoteric EEEEEEEE not found [at line nnnn of
SMCCMDS|SMCPARMS]
```

Level: 0

Explanation: An ALLOCDEF command was issued with the EXTVOLESOT keyword specifying *EEEEEEEE*. However, the specified *esoteric-name* is not a valid MSP esoteric.

System Action: The specified ALLOCDEF command is not processed.

User Response: Reissue the ALLOCDEF command specifying a valid MSP esoteric name.

SMC0088

```
Unable to [acquire/release] resource CCCCCCCC; attempt by
JJJJJJJJ XXXXXXXX1 owned by XXXXXXXX2
```

Level: 0

Explanation: A shared SMC resource could not be acquired or freed successfully. Job *JJJJJJJJ* is the task currently attempting to acquire or free the resource, but cannot because another task holds the resource.

System Action: Jobname *JJJJJJJJ* may not be processed correctly.

User Response: Contact StorageTek Software Support.

SMC0089

```
Unable to start subtask CCCCCCCC
```

Level: 0

Explanation: During initialization, the indicated SMC subsystem task could not be successfully attached.

System Action: The SMC subsystem terminates.

User Response: Look for related MSP or SMC messages in the SYSLOG or SMC job log.

SMC0090

```
Unable to restart subtask CCCCCCCC
```

Level: 0

Explanation: During subsystem processing the indicated SMC subsystem task abended and could not be restarted.

System Action: Processing continues. However, subsystem processing or command facilities may be affected.

User Response: Stop and restart the SMC subsystem. If the indicated subtask is SMCOCMD, use the MSP CANCEL command to terminate the subsystem.

SMC0091

```
Could not allocate job JJJJJJJJ step SSSSSSSS after applying
all exclusion levels; backing up until allocatable
```

Level: 8

Explanation: The indicated job step would not allocate when all exclusion criteria were applied to all DDs in the step. This means that the remaining set of drives is insufficient for each DD to be assigned a unique drive.

System Action: The SMC backs out exclusion criteria on selected DDs in the step until the set of remaining drives is sufficient to allocate to all DDs in the step.

User Response: None.

SMC0092

```
IDAX Settings:
CCCC....CCCC
```

Level: 0

Explanation: An IDAX command has been issued with the LIST keyword. The SMC0092 multiline message lists the current setting for the SMC subsystem.

System Action: None.

User Response: None.

SMC0093

```
TCPIP SETTINGS:
CCCC....CCCC

TCPIP TCPNAME=CCCCCCCC ADSNAME=CCCCCCCC
```

Level: 0

Explanation: A TCPIP LIST command was issued. The current values of the TCPNAME and ADSNAME are displayed. If the SMC is using the default settings, "default" is displayed.

System Action: None.

User Response: None.

SMC0094

```
MOUNTDEF settings:
CCCC....CCCC
```

Level: 0

Explanation: A MOUNTDEF command has been issued with the LIST keyword. The SMC0094 multiline message lists the current settings for the SMC subsystem.

System Action: None.

User Response: None.

SMC0095

```
UX01 function code UX01RPLY not supported
```

Level: 4

Explanation: The function code return of UX01RPLY (reply to a WTOR message) is not supported by SMC.

System Action: None. The user exit is ignored.

User Response: None.

SMC0096

```
Invalid UX01 function code XX
```

Level: 4

Explanation: A user exit 01 returned an invalid function code of *XX*.

System Action: All data returned by this invocation of UX01 is ignored.

User Response: Correct the UX01 to return only valid function codes.

SMC0097

```
UX01 function code XX not valid for message MMMMMMMM
```

Level: 4

Explanation: The SMC detected that the action code returned for a message (mount, dismount, or swap) did not match the action for an SMC default message.

System Action: All data returned by this invocation of UX01 is ignored.

User Response: Correct the UX01 to return a function code compatible with the message.

SMC0098

```
UX01 drive XXXX1 does not match message drive XXXX2, using
UX01 drive
```

Level: 4

Explanation: The device address returned from UX01 does not match the address specified in the message.

System Action: The device address returned from UX01 is used in the message processing.

User Response: Ensure that UX01 is functioning as desired.

SMC0099

```
Drive XXXX not a TAPEPLEX drive
```

Level: 4

Explanation: A user exit 01 returned a drive *XXXX*, which is not a library or virtual drive.

System Action: All data returned by this invocation of UX01 is ignored.

User Response: Ensure that UX01 is functioning as desired.

SMC0100

```
Invalid UX01 drive XXXX
```

Level: 4

Explanation: A user exit 01 returned an invalid drive address of *XXXX* which is not defined as a valid tape device on this system.

System Action: All data returned by this invocation of UX01 is ignored.

User Response: Correct the UX01.

SMC0101

```
Invalid UX01 or TAPEREQ subpool SSSSSSSSSSSS from TAPEPLEX
PPPPPPPP for job JJJJJJJJ
```

Level: 4

Explanation: A POLicy, TAPEREQ, or user exit 01 specified a subpool name that was not recognized by TAPEPlex *PPPPPPPP*, which owned the device for the mount request.

System Action: The default subpool 0 is used.

User Response: Correct the POLicy, TAPEREQ, or UX01 to specify a valid subpool.

SMC0102

```
Invalid UX01 volser VVVVVV
```

Level: 4

Explanation: A user exit 01 returned a volume serial containing invalid characters.

System Action: The volume serial returned by this invocation of UX01 is ignored.

User Response: Correct the UX01 to return a valid volume serial.

SMC0103

```
Unrecoverable mount error on device XXXX volser VVVVV for JOB
JJJJJJJJ
```

Level: 0

Explanation: The SMC detected a volume mount error in response to an IAT5310 message for a mount requested in message IAT5210.

System Action: The SMC breaks the mount loop and issues a dismount to the indicated device *XXXX*. The job remains in the MDS VERIFY queue.

User Response: Refer to the IAT5310 message for the cause of the mount error and take corrective action.

SMC0104

```
Default recording technique set for
TAPEPLEX=CCCCCCCC device XXXX
```

Level: 4

Explanation: The configuration query response from TapePlex CCCCCCCC returned device address XXXX as a TapePlex-owned device, but could not determine the model type for the device.

System Action: The SMC sets the default recording technique for the device based on the UCB device type. Processing continues.

User Response: Verify that any maintenance for new device types has been applied to all NCS products, including SMC, or issue an SMC UNITAttr command for the device specifying the correct model information.

SMC0105

```
Keyword KKKKKKKK of the CCCCCCCC command is required
```

Level: 0

Explanation: The command *CCCCCCCC* was issued without the required keyword *KKKKKKKK*.

System Action: The command is not processed.

User Response: Re-issue the command with the required keyword.

SMC0106

```
Mount of volser VVVVV in TAPEPLEX PPPPPPPP on device XXXX not
in library
```

Level: 0

Explanation: An SMC MOUNTDEF VOLWATCH option is ON. The SMC has detected that a volume resident in TapePlex *PPPPPPPP* is being requested to be mounted on a nonlibrary drive.

System Action: None.

User Response: Cancel the job requesting the mount, or eject the volume to satisfy the mount request.

SMC0107

```
Swap VVVVV from XXXX1 to XXXX2
```

Level: 4

Explanation: The SMC has intercepted DDR swap processing. *XXXX2* is either the original device selected to swap to or a device selected by SMC that more closely matches the device characteristics of *XXXX1*.

System Action: DDR swap processing continues.

User Response: None.

SMC0108

```
No compatible drive found for SWAP processing
```

Level: 0

Explanation: The SMC has intercepted DDR swap processing. The original device chosen to swap to is not compatible with the swap from device and the SMC could not locate a compatible alternate device.

System Action: DDR swap processing continues.

User Response: If no compatible device is available, reply NO to message IGF500D or IGF509D to stop the swap process. If a compatible device is offline, vary it online and reply with its device number to message IGF500D or IGF509D.

SMC0109

```
The SMC subsystem is running in key n; results are
unpredictable; reply 'Y' to continue or 'N' to terminate
```

Level: 0

Explanation: During initialization SMC detected that it is running in key *n*, not 1 through 7.

System Action: The SMC waits until a reply is received.

User Response: A reply of N stops SMC. A reply of Y causes SMC to continue initialization, though results are unpredictable. Possible problems are S0C1 and S0C4 ABENDs. To prevent this message, update the Program Properties Table (PPT) with "PPT PGMNAME(SMCBINT),SYST,KEY(*n*)", where *n* is between 1 and 7, inclusive.

SMC0110

```
Allow swap of VVVVV from XXXX1 to XXXX2; Reply 'Y', 'N' or
DEVICE
```

Level: 0

Explanation: The SMC has intercepted DDR swap processing. The SMC is awaiting operator approval to allow the swap.

System Action: The SMC continues processing; however, the swap cannot complete until an operator reply is entered.

User Response: To allow the swap to proceed using the selected device *XXXX2*, reply Y. To select a different swap to device, reply with its device address. The SMC does not validate a new device address. To cancel the swap, reply N. If an I/O error on device *XXXX1* caused the swap, a reply of N causes the job to fail.

SMC0111

```
USERMSG SETTINGS:
CCCC....CCCC
```

Level: 0

Explanation: The SMC has listed the messages that were added using the USERMsg command.

System Action: Both SMC default and USERMsg added messages are sent to user exit 01 for each library subsystem. SMC processes USERMsg added messages according to the response from user exit 01.

User Response: None.

SMC0112

```
Cannot add duplicate message ID MMMMMMMM at line nnnn of
SMCPARMS
```

Level: 0

Explanation: The USERMsg command was issued to add a new message ID that SMC will intercept. The supplied message ID *MMMMMMMM* is a duplicate of a message already defined to SMC.

System Action: The message is not added.

User Response: None.

SMC0113

```
SERVER=SSSSSSSS CCCCCCCC
Status={active|never active|inactive|disabled}
Messages=nnnn
Retries=nnnn
Init errors=nnnn
Errors=nnnn
```

Level: 0

Explanation: A SERVer command has been issued with the LIST keyword. The SMC0113 multiline message lists the server settings and status for each server defined to the SMC subsystem.

- **STATUS** indicates the status of the server.
- **active** indicates that this server is the current path through which the specified TapePlex will be accessed.
- **never active** indicates that communication was never attempted on this path, or was attempted but never succeeded.
- **inactive** indicates that another server path is active, or that the last communication attempt on this path failed.
- **disabled** indicates that the server has been disabled by a discovered incompatibility, by reaching the FAIL limit, or by an operator command.
- **Messages** indicates the number of logical messages (volume lookup requests, mounts, dismounts) on this server path.
- **Retries** indicates how many message retries have been attempted.
- **Init errors** indicates the current count of number of errors for an inactive server.
- **Errors** indicates the total number of errors on this server.

System Action: None.

User Response: None.

SMC0116

```
Cannot find TAPEPLEX|STORMNGR PPPPPPPP for SERVER SSSSSSSS [at
line nnnn of SMCCMDS|SMCPARMS]
```

Level: 0

Explanation: A SERVer command was issued with a TapePlex or STORMNGR name that was not previously defined.

System Action: The server is not added or updated.

User Response: Specify a TAPEPlex command to define the TapePlex or a STORMNGR command to define the STORMNGR, then specify the SERVer command.

SMC0117

```
Cannot change TAPEPLEX|STORMNGR name for existing SERVER
SSSSSSSS [at line nnnn of SMCCMDS|SMCPARMS]
```

Level: 0

Explanation: A SERVer command was issued with the NAME of an existing server, but its TapePlex or STORMNGR name did not match the name set when the server was originally defined.

System Action: The command is rejected.

User Response: Omit the Tapeplex or STORMNGR name, change the Tapeplex or STORMNGR name to match the existing server, or change the server name to add a new server.

SMC0118

```
No LOCSUBSYS for [LOCENABLE|LOCDISABLE] parameter on TAPEPLEX
command [at line nnnn of SMCCMDS|SMCPARMS]
```

Level: 0

Explanation: A TAPEPlex command was issued with a LOCENABLE or LOCDISABLE parameter, but the TapePlex was not defined with a LOCSUBSYS subsystem name.

System Action: This message is a warning. The TapePlex will be added or modified, but the LOCENABLE or LOCDISABLE parameter is ignored.

User Response: None.

SMC0119

```
[SERVER|LOCSUBSYS] CCCCCCCC now disabled
```

Level: 0

Explanation: The SMC detected TCP/IP errors in excess of the FAIL count or detected a fatal error for a local subsystem. See the preceding SMC0128/SMC0129 messages for the reason for the disable.

System Action: None. If there are no additional server paths defined for the associated library, the library hardware is no longer accessible from this host.

User Response: Correct the problem with the TCP/IP network, SMC server, host operating system, or the HSC subsystem, and re-ENABLE the SERVer or LOCSUBsys.

SMC0120

```
NAME must be specified to add or modify a SERVER [at line nnnn
of SMCCMDS|SMCPARMS]
```

Level: 0

Explanation: The user entered a SERVer command to add a new server or modify an existing server path, but the server path name was not specified.

System Action: None.

User Response: Enter the SERVer command specifying the server path name.

SMC0121

```
UEXIT nn is now [ENABLED/DISABLED]
```

Level: 0

Explanation: The user entered a UEXIT *nn* ENABLE or DISABLE command, or the SMC detected an abend in the specified user exit. The specified user exit is now ENABLED or DISABLED.

System Action: None.

User Response: If the SMC automatically disabled the user exit due to an abend, the exit cannot be re-enabled unless it is also reloaded.

SMC0122

```
UEXIT=nn
Status={active|disabled|abended}
CCCC....CCCC
Sequence=nn
Loaded=YYYY-MM-DD HH:MM:SS
Changed=YYYY-MM-DD HH:MM:SS
```

Level: 0

Explanation: A UEXIT command was issued with the LIST keyword. The SMC0122 multiline message lists the user exit status for each user exit defined.

- **nn** indicates the SMC user exit number (type).
- **STATUS** indicates the user exit status.
- **active** indicates that the exit is loaded and active.
- **disabled** indicates that the exit is loaded but was de-activated by the UEXIT disable keyword.
- **abended** indicates the user exit abended. A new version must be loaded for this exit to be re-activated.
- **Sequence** indicates how many loads have been performed for this user exit.
- **Loaded** indicates when this version of the module was loaded.
- **Changed** indicates when this version of the module was activated or disabled.

System Action: None.

User Response: None.

SMC0123

```
Drive range mismatch between CLIENT(XXXX1-XXXX2) and SERVER
(XXXX3-XXXX4)
```

Level: 0

Explanation: A DRIVemap command was issued. One of the specified CLient range did not match the format of the corresponding SErver range.

System Action: None.

User Response: Reissue the command, ensuring that the CLient parameter and the SErver parameter have corresponding formats and number of drives.

SMC0124

```
ABENDED or INACTIVE UEXIT nn must be reloaded to ENABLE [at
line nnnn of SMCCMDS|SMCPARMS]
```

Level: 0

Explanation: A UEXIT *nn* ENABLE command was issued for a user exit that had previously abended, or inactivated itself via a return code.

System Action: None.

User Response: Use the UEXit command with the LOAD keyword to reload the exit.

SMC0125

```
UEXIT nn already [ENABLED/DISABLED][at line nnnn of
SMCCMDS|SMCPARMS]
```

Level: 0

Explanation: A UEXIT *nn* ENABLE or DISABLE command was issued but the exit was already in the specified state.

System Action: None.

User Response: Verify the exit number you are trying to alter.

SMC0126

```
UEXIT nn not valid for [JES2/JES3] [at line nnnn of
SMCCMDS|SMCPARMS]
```

Level: 0

Explanation: A UEXIT command was issued for a user exit number not valid for this configuration.

System Action: None.

User Response: Verify the user exit number for your configuration.

SMC0127

```
Cannot resolve HOST name H...H [at line nnnn of
SMCCMDS|SMCPARMS]
```

Level: 0

Explanation: A SERVer command was issued using the HOST keyword specification. However, the SMC could not resolve the IP address using the specified HOST *name*.

System Action: The SERVer command is ignored.

User Response: Enter the correct HOST name or use the IPADDRESS keyword instead.

SMC0128

```
TapePlex error:
{Fatal comm error detected|
 Initialization error number nn or {nn|unlimited}|
 Comm error number nn of {nn|unlimited}
 Comm error limit exceeded}
JOB=JJJJJJJJ IIIIIIII TASK=XXXXXXXXXXXXXXX {MSG=XXXXXXXX}
TAPEPLEX|STORMNGR=TTTTTTTT {SUBSYSTEM=AAAA|SERVER=SSSSSSSS}
REQUEST=FFFF
{Client {IP=NNN.NNN.NNN.NNN} socket=NN port={nnnn|ANY}}
{Server IP=NNNN.NNNN.NNNN.NNNN port=nnnn}
{Bytes out=nnnn in=nnnn}
{Error=EEEE....EEEE}
{Reason=RRRR....RRRR}
{Response from STK HTTP server follows: HHHH...HHHH}
SMC comm RC=nnnn
```

Level: 4

Explanation: The SMC encountered an interface or communication error attempting to communicate with a TapePlex or STORMNGR. The SMC0128 multiline message first lists the jobname, transaction type, and TapePlex or STORMNGR name associated with the error.

If the communication error was produced for a local TapePlex or STORMNGR using cross memory services on this same host (i.e., not using a server) then the next line will list the interface error.

If the communication error was produced for a remote HTTP server or its associated remote HSC TapePlex or STORMNGR using TCP/IP, then one of the message reason lines will be displayed.

Examples of the reason strings include:

- Specific TCP/IP function errors (connect, send, recv, etc.)
- Data error (incomplete or invalid data response)
- Subsystem inactive, not found, or at an incompatible release level
- Subsystem function error
- HTTP server not authorized
- HSC ASCOMM error
- Interface or communication timeout

Note – Certain remote errors may result in a display of the entire HTTP server response as follows:

Response from HTTP server follows:

```
HTTP 1.0 401 Unauthorized
```

If the message indicates "Comm error limit (*nnn*) exceeded" then the SMC0128 message will be followed by an SMC0119 message and the server path will be disabled by the SMC.

If the message indicates an "Initialization error" then the error occurred before any successful communication to the named server path. Such errors are not counted against the cumulative error count on the server path, and will not result in the named server being automatically disabled by the SMC.

Also, "Initialization error" messages will not be generated for every request, but will only be generated at 5 minute intervals until the path is successfully activated.

System Action: The allocation or mount event may not be processed by the SMC.

User Response: Use the specified error reason to determine the cause of the problem. If the error was produced for a remote server, verify that the HTTP server is active.

SMC0129

{ERROR|WARNING}: No cartridge transport(s) for *XXXX1- [XXXX2]* for {UNITATTR|DRIVEMAP} {ADDRESS|CLIENT}

Level: 0

Explanation: A UNITATTR or DRIVEMAP command was issued specifying a device *XXXX1* or range *XXXX1-XXXX2*. None of the specified devices is an MSP-defined cartridge transport device.

System Action:

- If the message indicates an ERROR, the command is not processed.
- If the message indicates a WARNING, the SMC stores the value and may use it to translate addresses for non-MSP-defined RTD devices.

User Response: Review the devices specified in the command and re-issue the command if they are incorrect.

SMC0130

TAPEPLEX *PPPPPPPP1* has same LOCSUBSYS *SSSS* as TAPEPLEX *PPPPPPPP2* [at line *nnnn* of SMCCMDS|SMCPARMS]

Level: 0

Explanation: A TAPEPlex command was issued with a different TapePlex name *PPPPPPPP1* but the same LOCSUBSYS name as an existing TapePlex *PPPPPPPP2*.

System Action: The TAPEPlex command is not executed.

User Response: Correct the error and resubmit the command.

SMC0131

Cannot use [TAPEPLEX|SUBSYSTEM] *CCCCCCCC* from user exit or POLICY; *RRRRRRRR*

Level: 4

Explanation: The TapePlex name on an SMC POLICY, or the TapePlex or SUBSYSTEM name from a user exit, was not used by the SMC for the specified reason *RRRRRRRR*.

System Action: The SMC uses other criteria to establish library ownership. Other data from the policy or exit is honored.

User Response: Correct the condition specified by *RRRRRRRR*.

SMC0132

```
Mount retry limit exceeded for volser=VVVVV device=XXXX from
TAPEPLEX=PPPPPPPP SERVER=SSSSSSSS
```

Level: 4

Explanation: When SMC mount or mount TAPEREQ retrieval processing determines that an MSP mount is still pending and should be retried, it waits before attempting the retry. After the mount or mount policy retrieval retry limit is reached, the SMC0132 message is displayed.

System Action: The SMC will not continue to process the mount request after this message is issued.

User Response: Investigate the cause of the HSC mount problem. After resolving the problem, issue the SMC RESYNChronize REStart command or the HSC MOUNT command if necessary.

SMC0133

```
TAPEPLEX|STORMNGR=PPPPPPPP
CCCC....CCCC
Status={disabled|active|inactive|never active}
Requests=nnnn
[SERVER=SSSSSSSS
Status={disabled|active|inactive|never active}]
```

Level: 0

Explanation: A TAPEPlex or STORMNGR command was issued with the LIST keyword. The SMC0133 multiline message lists parameters and status for each TapePlex or STORMNGR defined to the SMC subsystem. Optionally, if the SERVerlist keyword was specified, the server status for all servers associated with this TapePlex or STORMNGR is also displayed.

TapePlex **status** indicates the status of the TapePlex or STORMNGR.

- **disabled** indicates that the TapePlex or STORMNGR has been disabled by an operator command.
- **active** indicates that the last communication to this TapePlex or STORMNGR was successful.
- **inactive** indicates that a communication path to this TapePlex or STORMNGR is no longer active, although one was previously active.
- **never active** indicates that a communication path to this TapePlex or STORMNGR was never successfully established.

Requests indicates the total number of requests (configuration, volume lookup, mount, dismount, and swap) that were directed to the specified TapePlex or STORMNGR.

If the SERVER keyword was specified, then each server path defined for this TapePlex or STORMNGR will also be displayed, along with its status.

System Action: None.

User Response: None.

SMC0134

```
No UNITATTR in effect for device(s) XXXX1[-XXXX2]
```

Level: 0

Explanation: Either no UNITATTR command was entered for the device, or a previously entered UNITATTR command was overridden by information from a TapePlex.

System Action: If the UNITATTR OFF parameter was specified, the device is not processed.

User Response: None.

SMC0135

```
{Mount/dismount message|Client response WTOR message|WTOR
message issued by server} from TAPEPLEX=PPPPPPPP SERVER=
SSSSSSSS
```

SMC0136

HSC mount or dismount message

Level: 4

Explanation: The WTORDEST(CLIENT) or ECHOMNTERR(ON) option is in effect. A mount or dismount was performed on an HSC TapePlex but did not complete successfully. The SMC0135 message indicates the TapePlex name and server name where the mount or dismount was requested. The SMC0136 merely echoes the HSC server mount or dismount message on the SMC client.

System Action: None.

User Response: Correct the problem indicated in the HSC mount or dismount message.

Note – Messages SMC0135 and SMC0136 are issued for all mount errors if the message level is 12 or greater, regardless of the WTORDEST or ECHOMNTERR setting, and for all HSC mount and dismount messages if the message level is 16 or greater.

SMC0137

HSC mount or dismount WTOR message

Level: 4

Explanation: A mount or dismount was performed on an HSC TapePlex with the TAPEPlex WTORDEST(CLIENT) set. HSC issued a WTOR that is to be handled by the client. The SMC0135 message indicates the TapePlex name and server name where the mount or dismount was requested.

System Action: The SMC redrives the mount or dismount to the server, transmitting the specified message response.

User Response: See the message description for the corresponding HSC message, and respond as directed.

Note – The MSGDef command SMCWtorpfx parameter can be used to suppress the SMC0137 portion of the message.

SMC0138

```
XML {input|output} parse error RC=nnn; transaction=TTTTTTTT
TAPEPLEX|STORMNGR=PPPPPPPP
```

Level: 0

Explanation: The SMC encountered an XML parse error. Input XML errors are produced when the input XML transaction cannot be parsed. Output XML errors occur when transaction response data cannot be converted to XML.

System Action: Depending upon the type of error, and server characteristics, the allocation or mount event may not be processed by the SMC.

User Response: Contact StorageTek Software Support.

SMC0139

```
UNITATTR for device XXXX MODEL=MMMMMMMMM [TAPEPLEX=PPPPPPPP]
```

Level: 0

Explanation: A UNITATTR command was issued with the LIst parameter. The model and TapePlex associated with the device are displayed.

System Action: None.

User Response: None.

nnnnnnnn

```
SMC0140 DFSMS message
```

Level: 0

Explanation: The DFSMS ACS routine has issued the DFSMS message. *nnnnnnnn* will be the JCL statement number or the DDNAME if it is a dynamic allocation.

System Action: None.

User Response: None.

nnnnnnnn

```
SMC0141 UNIT=value VVVVVVV1 replaced by VVVVVVV2
```

Level: 0

Explanation: The DFSMS ACS routines have changed the esoteric.

- *nnnnnnnn* is the JCL statement number or the DDNAME if it is a dynamic allocation.
- *VVVVVVV1* is the esoteric that was in the JCL. If a UNIT parameter was not used in the JCL, this will be NULL-UNIT.
- *VVVVVVV2* is the esoteric that was supplied by the DFSMS ACS routines.

System Action: Use the new esoteric supplied by the DFSMS ACS routines for the allocation.

User Response: None.

SMC0142

Invalid reply to prior message from TAPEPLEX=*PPPPPPPP* SERVER=
SSSSSSSS

Level: 0

Explanation: The WTORDEST(CLIENT) option was specified for TapePlex
PPPPPPPP, and SMC has communicated a mount or dismount request to HSC via
server *SSSSSSSS*. When SMC attempted to redrive the request, HSC returned an
indication that the response was invalid.

System Action: SMC redisplays the HSC message.

User Response: Refer to the message description for the indicated message to
determine valid responses.

SMC0143

UNITATTR MODEL=*MMMMMMM1* cannot override real MODEL *MMMMMMM2*
for TAPEPLEX=*PPPPPPP* device=*XXXX*

Level: 0

Explanation: A UNITATTR was specified for device *XXXX* specifying model
MMMMMMM1. However, when the configuration query information was returned
from TapePlex *PPPPPPPP*, the actual model was *MMMMMMM2*.

System Action: The SMC sets the recording technique for the device based on the
actual model returned from the configuration query response. Processing continues.

User Response: Verify that any maintenance for new device types has been applied
to all NCS products, including SMC, or issue an SMC UNITAttr command for the
device specifying the correct model information.

SMC0144

Mount of volser=*VVVVV* on device=*XXXX*; drive is in use; reply
'C' to cancel mount or 'R' to retry

Level: 0

Explanation: SMC has communicated a mount or dismount request to HSC. HSC has
responded with a message indicating that the drive is in use.

System Action: If the mount is still outstanding, the SMC automatically redrives the
mount every 30 seconds. The message is DOMed if the mount is no longer pending,
or the drive becomes available.

User Response: Wait for the drive to become available, or reply 'C' to cancel the
request, or 'R' to retry immediately.

SMC0145

```
Mount of volser=VVVVV on device=XXXX; volume is in use; reply
'C' to cancel mount or 'R' to retry
```

Level: 0

Explanation: SMC has communicated a mount or dismount request to HSC. HSC has responded with a message indicating that the drive is in use.

System Action: The SMC verifies that the mount is still outstanding. If the mount is still outstanding, the SMC automatically redrives the mount every 30 seconds. The message is DOMed if the mount is no longer pending, or the volume becomes available.

User Response: Wait for the volume to become available, or reply 'C' to cancel the request, or 'R' to retry immediately.

SMC0146

```
All devices marked ineligible for job JJJJJJJJ step SSSSSSSS
due to volume lookup failure
```

Level: 4

Explanation: When SMC allocation attempted to acquire volume information, a communication failure with the library server occurred. The ALLOCDEF option FAILNOINFO was specified.

System Action: The SMC marks all devices as ineligible for allocation. The job is failed by MSP or express-canceled by JES3.

User Response: Investigate the cause of the communication failure and resubmit the job.

SMC0147

```
PPPPPPPP1 is incompatible with PPPPPPPP2 on the TAPEREQ
command line nnnn of TREQDEF DSN
```

Level: 0

Explanation: An incompatibility exists between *PPPPPPPP1* and *PPPPPPPP2* at line *nnnn* in the data set specified on the TREQDEF command.

System Action: The SMC continues to process the TAPEREQ statements, flagging additional errors.

User Response: Correct the errors and re-issue the TREQDEF command.

SMC0148

```
PPPPPPPP on the TAPEREQ command at line nnnn of TREQDEF DSN is
not valid in a JES3 environment
```

Level: 0

Explanation: The specified parameter *PPPPPPPP* at line *nnnn* of the data set specified in the TREQDEF command is not valid in a JES3 with tape setup environment.

System Action: The SMC continues to process the TAPEREQ statements, flagging additional errors.

User Response: Correct the errors and re-issue the TREQDEF command.

SMC0149

TREQDEF specifications not installed, reason code *nn*

Level: 0

Explanation: The TAPEREQ statements in the data set specified on the TREQDEF command were not installed.

08 - Syntax error on a TAPEREQ statement
12 - The TAPEREQ structure has not been initialized

System Action: None.

User Response: Correct the errors and re-issue the TREQDEF command.

SMC0150

TREQDEF specifications installed from *DDDDDDDD*

Level: 0

Explanation: The TAPEREQ statements in the data set specified on the TREQDEF command were successfully installed.

System Action: None.

User Response: None.

SMC0151

```
TREQDEF status:
Loaded from DDDDDDDD
Title: TTTTTTTT
{Loaded on YYYY-MM-DD at HH:MM:SS|
Not active due to error; process RC=nn}
```

Level: 0

Explanation: The TREQDEF command was issued with the LIST keyword. The current TAPEREQ statements were loaded from data set *DDDDDDDD*. The title *TTTTTTTT* is displayed if one was specified in the OPTION statement. If there was no currently active TREQDEF file due to an error, the message "not active due to error" is displayed but the data set name last used for the TREQDEF is available and can be used in the TREQDEF RELOAD command.

System Action: None.

User Response: None.

SMC0152

TREQDEF DSN command has not been previously issued

Level: 0

Explanation: The TREQDEF LIST or RELOAD commands have been specified without a prior TREQDEF DSN command.

System Action: None.

User Response: Issue a TREQDEF command with the DSN keyword prior to issuing the TREQDEF with the LIST or RELOAD keyword.

SMC0153

```
Dynamic allocation failed for DDDDDDDD
```

Level: 0

Explanation: Data set name *DDDDDDDD*, specified in a READ command, could not be allocated by the SMC.

System Action: The command is not processed.

User Response: Review the specified data set name to ensure that it is a cataloged MSP data set, and re-issue the command.

SMC0154

```
UNITATTR model MMMMMMMM ignored for TAPEPLEX device XXXX
```

Level: 0

Explanation: A UNITATTR command has been issued specifying device *XXXX*. The device is defined to a TapePlex known to SMC. The SMC obtains the device model from the TapePlex.

System Action: The UNITATTR command does not process the device.

User Response: None.

SMC0155

```
LOG settings:
CCCC....CCCC
Logging currently {INACTIVE|ACTIVE}
```

Level: 0

Explanation: A LOG command was issued with the LIST keyword. The SMC0155 multiline message lists the current settings and status for the SMC subsystem.

In addition, a log status of ACTIVE indicates that logging has been started; INACTIVE indicates that logging has not been started, or has been stopped at EOF.

System Action: None.

User Response: None.

SMC0156

```
SMCLOG file is not currently opened
```

Level: 0

Explanation: A LOG command has been issued with the STOP keyword. However logging is not currently active.

System Action: The LOG command is ignored.

User Response: None.

SMC0157

SMCLOG file is already opened

Level: 0

Explanation: A LOG command has been issued with the START keyword. However, the logging is already active.

System Action: The LOG command is ignored.

User Response: None.

SMC0158

No SMCLOG DD; logging cannot be started

Level: 0

Explanation: A LOG command has been issued with the START keyword. However, there was no SMCLOG DD in the SMC subsystem startup JCL.

System Action: The LOG command is ignored.

User Response: Add an SMCLOG DD to the SMC subsystem startup JCL, then restart the SMC subsystem.

SMC0159

Logging {started|stopped}

Level: 0

Explanation: A LOG command has been issued with the START or STOP keyword.

System Action: SMC logging is started or stopped.

User Response: None.

SMC0160

Invalid range *XXXX1–XXXX2* for keyword ADDRESS of the UNITATTR
command

Level: 0

Explanation: A UNITATTR command has been issued specifying a device range *XXXX1-XXXX2, where XXXX1 is larger than XXXX2.*

System Action: The UNITATTR command does not process this device range.

User Response: Reissue the command specifying a valid range.

SMC0161

Restoring all default settings for the *CCC...CCC* command

Level: 0

Explanation: The *CCC...CCC* command has been issued with the OFF parameter. All SMC values have been restored for the SMC subsystem.

System Action: None.

User Response: None.

SMC0162

```
CCC...CCC object successfully {added|updated|deleted}
```

Level: 0

Explanation: The *CCC...CCC* command has been successfully processed.

System Action: None.

User Response: None.

SMC0163

```
DRIVEMAP settings:
CLIENT=XXXX1{-XXXX2}  SERVER=XXXX3{-XXXX4}
```

Level: 0

Explanation: A DRIVEMAP command has been issued with the LIST keyword. The SMC0163 multiline message lists the currently active DRIVEMAPs. One line is produced for each client/server range.

System Action: None.

User Response: None.

SMC0164

```
CLIENT range XXXX1{-XXXX2} not found for the OFF keyword of
the DRIVEMAP command
```

Level: 0

Explanation: The DRIVEMAP command has been issued with the OFF parameter and CLIENT parameter. No matching DRIVEMAP range matching the CLIENT parameter was found.

System Action: None.

User Response: None.

SMC0165

```
Keyword {CLIENT/SERVER} range XXXX1{-XXXX2} overlaps with
previous DRIVEMAP entry
```

Level: 0

Explanation: A DRIVEMAP command was issued containing a client or server range that overlaps a range specified on a previously issued DRIVEMAP command.

System Action: The DRIVEMAP command is not processed.

User Response: Issue the DRIVEMAP LIST command to view the list of currently active DRIVEMAP ranges. Correct the DRIVEMAP command to specify a new range. Or, use the DRIVEMAP CLIENT(*XXXX1-XXXX2*) OFF command to de-activate the existing overlapping range and re-specify the command with unique ranges.

SMC0166

```
Excessive READ depth at line nn of DSN DDDDDDDD
```

Level: 0

Explanation: A READ command was issued from a file. However, too many command files are already open, and the read command depth has been exceeded. Read command depth is defined as the number of files that can be open simultaneously due to imbedded Read commands.

System Action: The READ command is not processed.

User Response: Restructure your command files to reduce the READ command depth and ensure that the files referenced do not contain a recursive loop.

SMC0167

```
CCCCCCC summary:
TAPEPLEX|STORMNGR PPPPPPPP is {disabled|inactive|active on
{local subsystem SSSS|server SSSSSSSS}
{All TAPEPLEX|STORMNGR(s) active|
n of n TAPE TAPEPLEX|STORMNGR(s) active|
WARNING: All TAPEPLEX|STORMNGR(s) inactive|
WARNING: No TAPEPLEX|STORMNGR(s) defined|
WARNING: No TAPEPLEX|STORMNGR(s) enabled}
```

Level: 0

Explanation: The CCCCCCCC command was issued and a TapePlex and STORMNGR resynchronization was performed. Each TapePlex is represented by a line in the multiline WTO displaying its status.

System Action: None.

User Response: None.

SMC0168

```
WARNING: No TREQDEF command processed
```

Level: 4

Explanation: No TREQDEF command was found in the SMCPARMS or SMCCMDS file at startup.

System Action: TAPEREQ processing is not performed for allocation or mount requests.

User Response: If your installation previously specified TREQDEF in HSC or MSP/CSC, issue the TREQDEF command to SMC and add the TREQDEF command to the SMCCMDS (or SMCPARMS) file.

SMC0169

WARNING: {SMCCMDS│SMCPARMS} processing TIMEOUT; startup
continuing

Level: 4

Explanation: During SMC subsystem startup, startup command processing could not complete the indicated command file.

System Action: The SMC continues startup processing, but not all startup commands may have been processed.

User Response: None.

SMC0170

{Request timeout│SMC subsystem terminating}; request to
subsystem *SSSS* aborted

Level: 4

Explanation: The SMC issued a request to subsystem SSSS, but no response was received within the time limit, or the SMC subsystem was terminated.

System Action: The SMC continues processing without waiting for the HSC response. In addition, if a request timeout is indicated, the SMC server path to the specified subsystem is disabled.

User Response: Check the status of the subsystem that is not responding to SMC, and correct the problem. After correcting the problem, enable the appropriate server path.

SMC0171

Allocatability test matrix retries exceeded

Level: 0

Explanation: The SMC could not determine allocatability of the jobstep using its test matrix in the calculated number of retries.

System Action: Normally, processing continues, with SMC "backing out" exclusion conditions until the jobstep is allocatable.

During JES3 CI esoteric substitution, if SMC is unable to solve its allocatability matrix after reverting to the original list of eligible devices, an abend results, and no esoteric substitution is performed.

User Response: If possible, rerun the job with allocation trace turned on. Save trace and log output, and contact StorageTek Software Support.

SMC0172

Specified TAPEPLEX│STORMNGR *PPPPPPPP* not
{defined│HSC│active│enabled│valid for UUI}

Level: 0

Explanation: An SMC command was issued specifying TAPEPLEX or STORMNGR *PPPPPPPP*. However, the command cannot be completed because the TAPEPLEX or STORMNGR is either not defined to the SMC, or is not eligible.

System Action: The command is not processed.

User Response: Either name a valid TAPEPLEX or STORMNGR, or correct the TAPEPLEX or STORMNGR status and reissue the command.

SMC0173

```
Response from TAPEPLEX|STORMNGR PPPPPPPP:
CCCC....CCCC
Response RC=nn
```

Level: 0

Explanation: An SMC Route command was issued that specified TAPEPlex or STORMNGR *PPPPPPPP*. The SMC0173 message lists the TAPEPLEX or STORMNGR name, followed by the response from the specified TAPEPLEX or STORMNGR, terminated by an SMC0173 message displaying the command return code.

System Action: None.

User Response: None.

SMC0174

```
ASCOMM ACK timeout for job=JJJJJJJJ (DS=nnnn-nnnn)
```

Level: 0

Explanation: The SMC replied to a request from job *JJJJJJJJ*, but no acknowledgment was received within the time limit.

System Action: The SMC continues processing without waiting for the acknowledgment.

User Response: None.

SMC0175

```
Communication initialized on TAPEPLEX|STORMNGR=name {SERVER=
name}
```

Level: 4

Explanation: The SMC has successfully communicated with the specified TapePlex or STORMNGR for the first time. Additionally, if the communication path selected was a remote server, then the server is also displayed.

System Action: Processing continues.

User Response: None.

Note – This message is produced each time communication switches from one server to another, or communication is re-established after an error.

SMC0176

```
No active TAPEPLEX(s) for DISPLAY command
```

Level: 0

Explanation: A DISPLAY command has been entered. However, the SMC cannot establish communication with any TapePlex.

System Action: If the DISPLAY (or QUERY) VOLUME command was entered, the command terminates as there are no TapePlexes to direct the request. If the DISPLAY DRIVE command was entered, the command continues although the drive information displayed may not reflect TapePlex ownership.

User Response: None.

SMC0177

```
SMC {DISPLAY|QUERY} VOLUME
Volser TapePlex  Location  Media     Rectech  Volume Data
------ -------  --------  -------- -------- ------------
VVVVVV PPPPPPPP {AA:LL}    MMMMMMMM RRRRRRRR DDDDDDDD
```

Level: 0

Explanation: A Display Volume command was entered. The SMC0177 message(s) lists the volsers that match the request. If ALLtapeplex parameter was specified, duplicate volsers, if found, are listed beginning with an asterisk (*). The displayed Rectech for a volume reflects a combination of the volume's media type, VOLATTR (if any), and volume data such as density. For example, a volume with a RECTECH of STK1RC may have either a VOLATTR that specifies a RECTECH of STK1RC for the volume, or may be known to have been mounted as scratch on a 9840C drive. The Volume Data for a volume reflects known characteristics of the volume as stored in the HSC CDS, such as volume density.

System Action: None.

User Response: None.

SMC0178

```
SMC {DISPLAY|QUERY} DRIVE

Addr TapePlex Location     Model    SMC Status  MSP Status
---- -------- ----------- -------- ----------- -----------
CCUU PPPPPPPP AA:LL:PP:DD  MMMMMMMM XXXX-VVVVVV SSSSSSSSSS
```

Level: 0

Explanation: A DISPLAY DRIVE command has been entered. The SMC0178 message(s) lists the device addresses that match the request.

- *XXXX* is the last SMC mount/dismount status for the drive.
- *VVVVVV* is the last volume serial mounted or dismounted.
- *PPPPPPPP* is the TapePlex.

XXXX Value	Description
MNTD	An automated mount for a real volume completed successfully.
DISM	The dismount was sent to the HSC TapePlex or server. DISM is displayed after a dismount is issued until another volume is mounted on the drive.
VMNT	An automated mount for a virtual volume was sent to the VSM but is not being monitored by the SMC message handling component. The MSP status records whether the volume is actually mounted.
PEND	The real or virtual mount is being monitored by the SMC message handling component and is awaiting final response from the HSC TapePlex or Server.
MNTM	The HSC TapePlex or Server returned a final return code indicating that the real volume must be manually mounted.
FAIL	The automated mount failed. Operator intervention is required.
CSCM	An automated mount was sent to the MVS/CSC but is not being monitored by the SMC message handling component. The MVS status records whether the volume is actually mounted.
SWAP	A swap is currently in progress for the drive and is being monitored by the SMC swap manager.
MISS	An automated mount for a real or virtual volume has not completed and is now being monitored by the SMC mount monitor component.
BYPS	User exit 01 specified a return code indicating that the mount/dismount for the specified drive is not to be monitored by the SMC.
none	SMC status is not available for the specified drive.

Note – Status MNTM, MISS, or FAIL causes an SMC0231 action message to be produced when the mount is still MSP pending. Status VMNT may result in an SMC0231 action message being produced if the virtual mount is still pending after the virtual mount timeout value has been exceeded.

System Action: None.

User Response: None.

SMC0179

```
{TAPEPLEX|ESOTERIC} VVVVVVV not defined for CCCCCCCC
```

Level: 0

Explanation: The *CCCCCCCC* command was entered specifying TAPEPLEX or ESOTERIC *VVVVVVVV*. However *VVVVVVVV* is not defined to SMC or MSP.

System Action: None.

User Response: Correct the specified command and re-enter.

SMC0180

```
POLICY=CCCCCCCC {scr only|spec only|scr + spec|scr error|
spec error|in error|scr defined|spec defined}
Scratch policy: (displays entered policy values)
Specific policy: (displays entered policy values)
Created on mmm dd yyyy hh:mm:ss
[at line nnn of dsname| from console userid]
Changed on mmm dd yyyy hh:mm:ss
[at line nnn of dsname| from console userid]
```

Level: 0

Explanation: A POLICY LIST command was received. If the TERse option is specified, only the first line is displayed for each policy. The Created and Changed data are displayed only if the DETail option is entered.

System Action: None.

User Response: None.

SMC0181

```
WARNING: SMS MGMTPOL specified and no POLICY statements
defined
```

Level: 8

Explanation: ALLOCDef SMS option and SMSDef MGMTPol option are both on, but no POLICY commands were processed at startup.

System Action: None.

User Response: Provide policy definitions for policy names specified on DFSMS ACS management class routines.

SMC0182

```
POLICY CCCCCCCC not defined for TREQDEF statement nnnn
```

Level: 8

Explanation: During validation of the TREQDEF data set, a TAPEREQ statement specified a policy name *CCCCCCCC* that did not match a defined POLICY.

System Action: The TREQDEF definitions are rejected.

User Response: Ensure that POLICY commands are processed before the TREQDEF command, or change the TAPEREQ statement to correct the POLICY name.

SMC0183

POLICY *CCCCCCCC* not found in any TAPEREQ statement

Level: 8

Explanation: During policy validation, the SMC found a policy name *CCCCCCCC* that was not specified on any TAPEREQ statement.

System Action: None.

User Response: Remove the inactive POLICY statement, or specify the policy name on a TAPEREQ statement.

SMC0184

{Specific|Scratch} POLICY *CCCCCCCC* marked in error

Level: 0

Explanation: A POLICY that is to be added to the SMC contains a policy specification error, for instance, specifying a scratch SUBPOOL name with VOLTYPE(SPECIFIC).

System Action: Processing continues. The SMC creates the named POLICY object. However, the SMC marks the POLICY object in error, allowing any reference to the named POLICY object to find it. In such cases however, the returned POLICY will be empty, indicating that default tape policy attributes will be applied to the allocation or mount event.

User Response: Correct and reissue the POLICY command.

SMC0185

Non-POLICY TAPEREQ statements detected

Level: 8

Explanation: One or more TAPEREQ statements did not specify a POLICY keyword. It is recommended that you convert existing TAPEREQ statements to POLICY format.

System Action: None.

User Response: Convert TAPEREQ statements to use POLICY format.

SMC0186

No matching POLICY found for SMS management class *CCCCCCCC*

Level: 8

Explanation: With the SMS MGMTPol specified during SMC allocation or mount message processing, the SMS management class returned from the ACS routine did not match a defined POLICY and SMSDEF VTVMGMT is off.

System Action: The policy name is ignored. If TAPEREQs are loaded, the SMC attempts to look up policies using TAPEREQ.

User Response: Define the missing POLICY, or correct the ACS routine to specify a valid POLICY name.

SMC0187

WARNING: Could not find device *XXXX* for TAPEPLEX *PPPPPPPP*
specified in UNITATTR

Level: 0

Explanation: A UNITATTR was specified for device *XXXX* as belonging to
TAPEPLEX *PPPPPPPP*. However, the returned configuration query did not contain
the specified device.

System Action: None. The SMC honors the UNITATTR. Depending upon when the
server processes the configuration query during its startup, not all devices may be
returned in the configuration query response.

User Response: Verify that the specified device actually belongs to the specified
TAPEPLEX.

SMC0188

Non-virtual MEDIA or RECTECH is not allowed with MGMTCLAS

Level: 0

Explanation: A POLICY statement was entered that specified a MGMTCLAS with a
non-virtual MEDIA and/or RECTECH. However, MGMTCLAS should be specified
only for virtual policies.

System Action: The POLICY is rejected.

User Response: Correct the POLICY and reissue the POLICY command.

SMC0189

CCCCCCCC entry *EEEEEEE* not found for {list|update|delete}

Level: 0

Explanation: A *CCCCCCCC* command was entered specifying that entry *EEEEEEEE*
be either listed, deleted, or updated. However, no entry matching *EEEEEEE* was
found.

System Action: None.

User Response: Issue the *CCCCCCCC* command with the LIST option to list all
CCCCCCCC entries. Then re-issue the command specifying the correct entry name.

SMC0190

CCCCCCCC *OOOOOOOO* set to {ON|OFF|*XXXXXXXX*}

Level: 0

Explanation: A *CCCCCCCC* command was entered specifying that option
OOOOOOOO be set to ON, OFF, or the specified value *XXXXXXXX*. If multiple
options were specified on a single *CCCCCCCC* command, then multiple SMC0190
messages are issued, one for each specified option.

System Action: None.

User Response: None.

Note – SMC0190 messages are displayed only if MSGDef VERBose(ON) is specified.

SMC0191

CCCCCCCC OOOOOOOO `set to {ON|OFF|`*XXXXXXXX*`} for entry` *EEEEEEEE*

Level: 0

Explanation: A *CCCCCCCC* command was entered specifying that option *OOOOOOOO* be set to ON, OFF, or the specified value *XXXXXXXX* for the *CCCCCCCC* entry *EEEEEEEE*. If multiple options were specified on a single *CCCCCCCC* command, then multiple SMC0191 messages will be issued, one for each specified option.

System Action: None.

User Response: None.

Note – SMC0191 messages are displayed only if MSGDef VERBose(ON) is specified.

SMC0192

`Specific volume lookup failure(s) occurred for job` *JJJJJJJJ*

Level: 4

Explanation: During allocation processing for a specific volume in job *JJJJJJJJ*, volume lookup indicated a communication failure. The ALLOCDef FAILNOINFO option was not specified.

System Action: Processing continues. Allocation may be directed to a device incompatible with the volume.

User Response: Determine and correct the cause of the communication failure.

SMC0193

`Scratch volume lookup failure(s) occurred for job` *JJJJJJJJ*

Level: 8

Explanation: During allocation processing for a scratch volume in job JJJJJJJJ, volume lookup indicated a communication failure. ALLOCDef FAILNOINFO was set to OFF or SPECIFIC.

System Action: Allocation proceeds using policies specified in POLicy, TAPEREQ, user exit, or DFSMS ACS routines.

User Response: Determine and correct the cause of the communication failure. Ensure that policy information is adequate to allocate scratch volumes to the appropriate TapePlex and media.

SMC0194

```
TAPEPLEX PPPPPPPP from [POLICY|user exit] conflicts with
ESOTERIC EEEEEEEE from [POLICY/TAPEREQ|user exit] for job
JJJJJJJJ
```

Level: 8

Explanation: The TapePlex name provided by the SMC POLicy or user exit is different from that implied by the esoteric name in the POLicy/TAPEREQ or user exit.

Note – SMC0194 messages are displayed only if SMC MSGDef VERBose(ON) specified.

System Action: The SMC determines which TapePlex should be used for volume information based first on the POLicy TapePlex, then on the POLicy or TAPEREQ esoteric name (if all drives in the esoteric reside in a single library), next on the user exit TapePlex or subsystem name, and finally on the TapePlex implied by the esoteric returned from the user exit. The esoteric name will still be used in the drive exclusion process, even if it conflicts with the policy or user exit TapePlex name.

User Response: Review the applicable POLicy, TAPEREQ, and user exit values to be sure that the intended policies are being specified.

SMC0195

```
READ processing started for {SMC PARMS|SMCCMDS|data set name}
```

Level: 0

Explanation: The SMC has begun processing commands in the named file.

Note – SMC0195 messages are displayed only if SMC MSGDef VERBose(ON) specified.

System Action: None.

User Response: None.

SMC0196

```
READ processing complete; RC=nn
from {SMCPARMS|SMCCMDS|data set name}
```

Level: 0

Explanation: The SMC has completed processing commands in the named file. The highest return code for any command is *nn*.

System Action: None.

User Response: None.

SMC0197

WARNING: POLICY *PPPPPPPP* is specified; ignoring {esoteric subpool|subsystem|TapePlex} from user exit for job *JJJJJJJJ*

Level: 8

Explanation: An allocation user exit returned esoteric, subpool, TapePlex or subsystem data, but policy *PPPPPPPP* is in effect.

System Action: Since the policy is the only source for the information, the data returned from the user exit is ignored.

User Response: Ensure that the named policy contains all policy information that should apply.

SMC0200

ALLOC event ignored

Level: 8

Explanation: A READ command was specified from the SMC that required SMC tape allocation services.

System Action: None.

User Response: Issue the READ command for a disk data set.

SMC0201

{TAPEREQ|CONTROL} statements can only be input using the TREQDEF command

Level: 0

Explanation: TAPEREQ control statements were read using the SMC READ command instead of the TREQDEF command.

System Action: None.

User Response: Issue the TREQDEF command to read the TAPEREQ control statements.

SMC0202

Update error not applied because {SCRATCH|SPECIFIC} POLICY for entry *PPPPPPPP* already exists.

Level: 0

Explanation: An erroneous POLICY statement was entered. The update error was not applied because the SCRATCH or SPECIFIC policy already exists. If the SCRATCH or SPECIFIC policy did not exist, the POLICY would have been entered and flagged as an error.

System Action: None.

User Response: Correct and reissue the POLICY command.

SMC0203

```
COMMTEST:
JOB=JJJJJJJJ IIIIIIII TASK=XXXXXXXXXXXXXXX {MSG=XXXXXXX}
TAPEPLEX|STORMNGR=LLLLLLLL {SUBSYSTEM=AAAA|SERVER=SSSSSSSS}
REQUEST=FFFF
{Client {IP=NNN.NNN.NNN.NNN} socket=NN port={nnnn|ANY}}
{Server IP=NNNN.NNNN.NNNN.NNNN port=nnnn}
{Bytes out=nnnn in=nnnn}
{Error=EEEE....EEEE}
{Reason=RRRR....RRRR}
{Response from STK HTTP server follows: HHHH...HHHH}
Current LIBPATH status={active|inactive|never active|disabled}
SMC comm RC=nnnn elapsed time=nn.nn
```

Level: 0

Explanation: A COMMtest command was entered. The SMC0203 message is displayed for each communication path attempted.

System Action: None.

User Response: None.

SMC0204

```
No eligible COMMPATH(s) found
```

Level: 0

Explanation: A COMMtest command was entered, but the specified TAPEPlex, STORMNGR, SERVer, and status parameters resulted in no eligible communication paths selected for the test.

System Action: None.

User Response: Correct and reissue the COMMtest command.

SMC0205

```
Disabling bind to PORTRANGE nnnn-nnnn; any ephemeral port will
be used
```

Level: 0

Explanation: A TCPip PORTrange (OFF) command was entered. Sockets will no longer be bound to the fixed port range of nnnn-nnnn, but any ephemeral port will be used.

System Action: None.

User Response: None.

SMC0206

```
No PORTRANGE currently defined
```

Level: 0

Explanation: A TCPip PORTrange (OFF) command was entered but there is currently no active PORTrange specified to disable.

System Action: None.

User Response: None.

SMC0207

```
Specified SERVER SSSSSSSS not {found|defined for
TAPEPLEX|STORMNGR=TTTTTTTT}
```

Level: 0

Explanation: A COMMtest command was entered specifying a specific TapePlex or STORMNGR and server. However, the server is either not defined to the SMC, or is not defined for the specified TapePlex or STORMNGR.

System Action: None.

User Response: Correct and reissue the COMMtest command.

SMC0208

```
NEW TAPEPLEX=PPPPPPP1 MODEL=MMMMMMM1 for device XXXX
OLD TAPEPLEX=PPPPPPP2 MODEL=MMMMMMM2
```

Level: 0

Explanation: A configuration query response from TapePlex *PPPPPPP1* was received for device *XXXX* that either changed the TapePlex ownership from TapePlex *PPPPPPP2*, or its model type from model *MMMMMMM2* to *MMMMMMM1*.

System Action: Processing continues. The SMC sets the TapePlex ownership and model to the new values.

User Response: This message most likely indicates that the same device address is defined to two or more TapePlexes, and the configuration information received from one TapePlex has been superseded by that of the other TapePlex. In this case, issue a UNITAttr command for the device specifying which TapePlex is the owner of the device on this host.

SMC0209

```
HTTP Server {already started | already stopped} not active for
update
```

Level: 0

Explanation: The SMC HTTP STArt or HTTP STOp command was issued but the HTTP Server is already in the desired operating state, or is not available to update its tuning parameters.

System Action: None.

User Response: None.

SMC0210

```
HTTP Server commencing startup
```

Level: 0

Explanation. The SMC HTTP STArt command was issued.

System Action: SMC HTTP Server startup continues.

User Response: None.

SMC0211

```
HTTP Server startup complete
```

Level: 0

Explanation: The SMC HTTP STArt command was issued, the HTTP Server completed its initialization, and is now ready to process incoming client requests.

System Action: None.

User Response: None.

SMC0212

```
HTTP Server startup failure [;auto restart will be attempted]
```

Level: 0

Explanation. The SMC HTTP STArt command was issued but due to an error the SMC HTTP Server was not able to initialize.

System Action: SMC HTTP Server startup terminates. If the server startup failure is due to TCP/IP not active, the SMC will periodically attempt to start the HTTP Server on the designated port.

User Response: Check for prior messages to determine why the SMC HTTP Server could not initialize.

SMC0213

```
HTTP Server commencing shutdown
```

Level: 0

Explanation: The SMC HTTP STOp command was issued.

System Action: SMC HTTP Server shutdown continues.

User Response: None.

SMC0214

```
HTTP Server shutdown complete
```

Level: 0

Explanation: The SMC HTTP STOp command was issued, the HTTP Server completed its shutdown, and no more incoming client requests will be processed.

System Action: None.

User Response: None.

SMC0215

```
HTTP Server status:
CCCC...CCCC
```

Level: 0

Explanation: The SMC HTTP LIst command was issued.

System Action: The SMC HTTP Server status is displayed beginning with the listener port number followed by various server statistics.

User Response: None.

SMC0216

```
HTTP Server accept {error|warning|info}:
Socket=nn, port=nnnn
{TCPNAME=TTTTTTTT}{, ADSNAME=AAAAAAAA}
{ERROR=EEEEEEEE}
(REASON=RRRRRRRR)
SMC comm RC=nnn
```

Level: 0, 4, or 8, depending upon severity

Explanation: The SMC HTTP listener subtask encountered a socket error on the specified socket and port. Messages are differentiated by "error", "warning", or "info" depending upon severity and are produced at message level 0, 4, and 8 respectively.

System Action: The incoming client request is not processed. The requesting SMC client will retry the request either for this same server, or a different server depending upon the SMC client TAPEPLEX and SERVER settings.

User Response: If a subsequent SMC0212, or SMC0219 message is produced, the SMC HTTP Server is no longer active and a subsequent SMC HTTP START command is required.

SMC0217

```
HTTP Server socket {error|warning|info}:
Socket=nn {, CGI module=MMMMMMMM}{, from hostid=HHHH)
{, job=JJJJJJJJ}
{ERROR=EEEEEEEE}
(REASON=RRRRRRRR)
SMC comm RC=nnn
```

Level: 0, 4, or 8

Explanation: The SMC HTTP socket I/O subtask encountered an error on the specified socket for the specified requestor. Messages are differentiated by "error", "warning", or "info" depending upon severity and are produced at message level 0, 4, and 8 respectively.

System Action: The connected socket will be shutdown, and the input request may not be properly processed. The requesting SMC client will retry the request either for this same server, or a different server depending upon the SMC client TAPEPLEX and SERVER settings.

User Response: None.

SMC0218

```
HTTP Server {listener | socket I/O} subtask started
```

Level: 0

Explanation: The SMC HTTP STArt command was issued, or recovery attempted, and the indicated SMC HTTP Server subtask is starting.

System Action: SMC HTTP Server startup or recovery continues.

User Response: None.

SMC0219

```
HTTP Server {listener | socket I/O} subtask terminated;
CCCCCCCC
```

Level: 0

Explanation: The indicated SMC HTTP Server subtask is abnormally terminating due to the reason specified in *CCCCCCCC*.

System Action: SMC HTTP Server will either terminate or try to recover depending upon the type of error.

User Response: None.

SMC0220

```
FFFFFFFF invocation error:
Socket=nn {, CGI module=MMMMMMMM}{, from hostid=HHHH)
{, job=JJJJJJJJ}
{ERROR=EEEEEEEE}
SMC comm RC=nnn
```

Level: 0

Explanation: A CGI module *MMMMMMMM* encountered an unrecoverable error in cgi function *FFFFFFFF*. The request is cancelled.

System Action: The connected socket will be shutdown, and the input request may not be properly processed. The requesting SMC client will retry the request either for this same server, or a different server depending upon the SMC client TAPEPLEX and SERVER settings.

User Response. None.

SMC0221

```
CGI module MMMMMMMM inactivated due to abend count (NN)
```

Level: 0

Explanation: The CGI module *MMMMMMMM* has abended for the *NN*th time and exceeded the allowed abend count. The module is deactivated.

System Action: The connected socket will be shutdown, and the input request may not be properly processed. The requesting SMC client will retry the request either for this same server, or a different server depending upon the SMC client TAPEPLEX and SERVER settings.

User Response. None.

SMC0222

```
SIMULATE command results:
CCCC...CCCC
```

Level: 0

Explanation: The SMC SIMulate command was issued.

System Action: The SMC SMS, POLICY, TAPEREQ, user exit, and volume lookup data are returned.

User Response: None.

SMC0223

This message displays in one of two formats:

```
POLICY VALIDATE results:
CCCC...CCCC
RC=0|4|8; {SCRATCH|SPECIFIC} POLICY name reason
```

or:
POLICY VALIDATE RC={4|8}; {SCRATCH|SPECIFIC} POLICY *name reason*

Level: 0

Explanation: The SMC POLICY VALIDATE command was issued.

System Action: The SMC POLICY VALIDATE results are displayed.

- The first version is displayed when the LIst keyword was entered, and list the POLICY attributes along with the validation results.
- The second version is displayed when the LIst keyword is not entered, and only a single summary line is displayed for each policy object that results in a validation return code of 4 or 8.

User Response: Investigate any RC=4 or 8 reasons to correct either the underlying POLICY or the environmental condition resulting in the warning error.

SMC0224

```
POLICY VALIDATE complete; highest RC={0|4|8}
```

Level: 0

Explanation: The SMC POLICY VALIDATE command was issued.

System Action: This message is issued after the SMC0223 message(s) and lists the highest RC for all validated policies.

User Response: None. If the highest RC is greater than 0, see the previous SMC0223 messages.

SMC0225

```
Mount for job jobname rejected by the TAPEPLEX tapeplex-name;
SUBPOOL subpool-name invalid
```

Level: 0

Explanation: TAPEPLEX *tapeplex-name* rejected the mount from job *jobname*. The reason for the mount rejection is listed.

System Action: The mount is not satisfied. The job cannot continue.

User Response: The named subpool was specified in the SMC policy for this job. However, the specified SUBPOOL is not defined to the HSC server or the current host does not have access to the SUBPOOL as specified in the HSC POOLPARMs. Either correct the HSC POOLPARM definitions to allow this host to access the named subpool or correct the SMC policy to request a valid subpool name accessible to this host.

SMC0226

```
Path switch from SERVER=SSSSSSSS to PPPPPPPP for
TAPEPLEX|STORMNGR=TTTTTTTT
```

Level: 4

Explanation: The SMC automatically switched the communication path from the secondary server *SSSSSSSS* to the primary server *PPPPPPPP* for TapePlex or STORMNGR *TTTTTTTT*.

System Action: Processing continues.

User Response: None.

SMC0227

```
Keyword KKKKKKKK of the CCCCCCCC command ignored; RRRRRRRR
```

Level: 0

Explanation: The *CCCCCCCC* command specified a keyword that is no longer acceptable. Keyword *KKKKKKKK* may be obsolete in the current version of the product, or it may be unacceptable in the current processing environment.

System Action: Keyword *KKKKKKKK* and any associated value are discarded, but the remainder of the command is still processed.

User Response: If the keyword is obsolete in the current release, delete the keyword from the command as it may be flagged in error in subsequent releases, invalidating the entire command.

SMC0228

```
Copyright (C) 1991, 2010, Oracle and/or its affiliates.
All rights reserved.
```

Level: 0

Explanation: This message is issued during SMC initialization.

System Action: Processing continues.

User Response: None.

SMC0229

```
Invalid value VVVVVVV for the CCCCCCCC command
```

Level: 0

Explanation: The SMC encountered a command that specified an invalid value *VVVVVVVV*.

System Action: Processing continues. The command is ignored.

User Response: Ensure that the syntax in the command data set is correct, or enter the corrected command.

SMC0230

```
IEFJFRQ exit smcxJFRQ is inactive. SMC is unable to influence
tape allocation
```

Level: 0

Explanation: Exit routine smcxJFRQ has reached its error threshold and has been made inactive by the operating system.

The smcx in smcxJFRQ will be replaced with the subsystem name belonging to SMC. IBM message CSV430I was issued when the routine was made inactive. An SVC dump of the job most likely occurred along with message CSV430I.

The dump title will be:

```
DUMP TITLE=COMPON=SSI,COMPID=5752SC1B6,ISSUER=IEFJSARR,
          MODULE=IEFJRASP,ABEND=aaaa,REASON=rrrrrrrr
```

System Action: SMC is unable to direct tape allocation to the correct drive. SMC will delete the SMC0230 each minute and re-check the state of exit routine. If the exit routine is still inactive SMC0230 will be re-issued.

User Response: Investigate the reason that the exit became inactive. To display the exit use the following MSP command:

```
DISPLAY PROG,EXIT,EXITNAME=IEFJFRQ,DIAG
```

The state of the exit can be made active by one of the following methods:

- Use the MSP SETPROG command:

  ```
  SETPROG EXIT,MODIFY,EX=IEFJFRQ,MOD=smcxJFRQ,STATE=ACTIVE
  ```

- Stop and re-start SMC.

  Retain the SVC dump and job log of the failing job. Contact Oracle Software Support for analysis of the failure.

SMC0231

```
MTP DDDD: RRRRRRRR
```

Level: 0

Explanation: The SMC has detected a mount pending for device *DDDD* and there are no SMC mount subtasks waiting for a final HSC/VTCS message response for the device. The specified reason *RRRRRRRR* is either the final HSC/VTCS mount response message or is from the SMC VTD mount monitor.

System Action:

- If the message is:

  ```
  SMC0231 MTP DDDD: Monitor detected missed mount for {job=JJJJJJJJ,}
  volser=VVVVVV
  ```

  Then the pending mount was detected by the SMC VTV mount monitor and the mount for VTV *VVVVVV* is automatically redriven and will now await the final HSC/VTCS message response.

- If the message is:

  ```
  SMC0231 MTP DDDD: SLSnnnn message
  ```

  The pending mount condition results from the final HSC/VTCS SLS*nnnn* message. In this case VTV mounts will be automatically redriven and await another HSC/VTCS final response. However, "real" mounts are not automatically redriven as manual intervention may now be required.

User Response: If *DDDD* represents a "real" device (not a VTD), then correct the error indicated by reason *RRRRRRRR*, and issue the SMC RESYNChronize command.

Note –

- The final HSC/VTCS mount response SLS*nnnn* message may list a device address. In cases where drive host capabilities are being used, and the HSC/VTCS server is operating on a remote host with different drive mappings, the device address listed in reason *RRRRRRRR* may not be the same as local device *DDDD*.

- The SMC0231 message is an action message and is not DOM'ed until the mount for device *DDDD* is no longer pending.

SMC0232

```
Warning: No TAPEPLEX command processed
```

Level: 4

Explanation: The SMC subsystem has completed initialization, but no TAPEPLEX commands were found in either the SMCPARMS or SMCCMDS data set. The SMC will try to detect the presence of a local TAPEPLEX by scanning the MSP SSVT.

System Action: Processing continues

User Response: Oracle recommends that you explicitly define even your local TAPEPLEX using the SMC TAPEPLEX command.

SMC0233

```
SWAPLIMIT=NNNNNN exceeded; swap processing cancelled
```

Level: 0

Explanation: The number of system initiated swap events for the current jobstep volser swap series exceeds the maximum number allowed specified by the MOUNTDef SWAPLimit(nn) command.

System Action: SMC enhanced swap processing is terminated. If MOUNTDef SWAPAutoreply(ON) is also specified, then the job will terminate.

User Response: None.

SMC0234

```
WARNING: using swap to device=CUU1 instead of SMC selected
swap to device=CUU2
```

Level: 0

Explanation: The operator replied to the IBM IGF500D or IGF509D message instead of responding to the SMC SMC0110 enhanced swap message with a device address different than that selected by the SMC enhanced swap process.

System Action: The swap continues but the device may not be compatible.

User Response: Respond to the SMC SMC0110 enhanced swap message and not the IBM IGF500D 0r IGF509D message to ensure that the most compatible device is selected as the swap to device.

SMC0235

```
WARNING: low scratch; TAPEPLEX=TTTTTTTT subpool=SSSSSSSSSSSS
        {med=MMMMMMMM|med/rt=MMMMMMMM/RRRRRRRR}
        loc={VSM|ACS=NN|LSM=NN:NN} lbl={AL|NL|SL} vols=NNNN
```

Level: 0

Explanation: There are only nnnnn scratch volumes remaining in subpool *SSSSSSSSSSSS* of the specified media, rectech, and label type, in the specified location.

System Action: Processing continues.

User Response: Add more scratch volumes to the specified subpool.

SMC0236

CCCCCCCC `command RC exceeds MAXRC=`*nn* `at startup`

Level: 0

Explanation: The SMC was started with the MAXRC startup parameter, and during SMC initialization the SMC *CCCCCCCC* command returned a completion code that exceeded the MAXRC specification.

System Action: Processing continues for the remainder of the commands specified in the SMCPARMS and SMCCMDS data sets. However, SMC subsystem initialization will be terminated with the SMC0237 message at the completion of SMCPARMS and SMCCMDS processing.

User Response: Correct the specified *CCCCCCCC* command and restart the SMC.

Note – Multiple SMC0236 messages may be produced at startup as all SMC commands in the SMCPARMS and SMCCMDS data sets are processed at startup, regardless of prior SMC0236 messages.

SMC0237

`SMC terminating due to {MAXRC=`*nn* `exceeded|PLEXRC=`*nn*`exceeded|fatal error} at startup`

Level: 0

Explanation: A fatal error was detected at SMC startup, or the SMC was started with the MAXRC parameter, and the specified MAXRC value was exceeded by a command in the SMCPARMS or SMCCMDS data set (indicated by an SMC0236 message), or the specified PLEXRC value was exceeded by the automatic subsystem resynchronization at startup.

System Action: The SMC subsystem or SMCUSIM utility terminates.

User Response: Review the SMC log for the SMC0236 message(s) indicating the commands in error, or SMC0232 or SMC0241 messages indicating missing command statements, or the SMC0167 message indicating TapePlex status at startup. Correct or insert the indicated commands, or ensure that the required TapePlexes are active, and restart the SMC, or resubmit the SMCUSIM request.

SMC0238

`SMC subsystem `*CCCC*` not already active; RESET specified; startup continuing`

Level: 0

Explanation: The SMC was started with the RESET startup parameter, but the SMC appears to have stopped normally on the prior occasion making the RESET option unnecessary.

System Action: The SMC subsystem continues initialization.

User Response: Remove the RESET startup parameter. The RESET startup parameter should only be used at the direction of StorageTek Software Support.

SMC0240

CCCCCCCCCCCCCCCC caused all devices to be excluded

Level: 8

Explanation: When the SMC allocation component applied the exclusion criteria *CCCCCCCCCCCCCCCC* for job *JJJJJJJJ* step SSSSSSSS DD *DDDDDDDD*, no devices remained in the current exclusion level EDL causing the job to fail allocation.

For information about exclusion criteria, refer to the Drive Exclusion Level tables in your SMC publications.

See the explanation for message SMC0043 for more information.

System Action: None.

User Response: See message SMC0043.

SMC0241

WARNING: STORMNGR entry *SSSSSSSS* has no SERVER(s) defined

Level: 0

Explanation: A STORMNGR command was entered during the SMC startup process. After all commands were processed from the SMCPARMS and SMCCMDS data sets, the named STORMNGR does not have associated SERVER communication paths defined.

System Action: This message results in a return code 8 at SMC startup and may prevent the SMC from initializing if the SMCBINT program parameter MAXRC(0|4) is specified.

User Response: Add the SERVER definitions to the SMCCMDS or SMCPARMS data sets after the STORMNGR definition.

SMC0242

Cannot add STORMNGR *CCC...CCC* before TAPEPLEX(es)

Level: 0

Explanation: STORMNGR commands must be entered after TAPEPLEX commands.

System Action: Processing continues.

User Response: Enter TAPEPLEX commands before STORMNGR commands.

SMC0243

CCCCCCCC command specifies {TAPEPLEX|STORMNGR} *NNNNNNNN*; but *NNNNNNNN* is a {STORMNGR|TAPEPLEX} [at line *NNNN* of {SMCCMDS|SMCPARMS}]

Level: 0

Explanation: The *CCCCCCCC* command was entered and specified the named TapePlex or Sun Storage Manager. However, name *NNNNNNNN* is not the type of entity described.

System Action: The command is not processed.

User Response: Change the entity type from TAPEPLEX to STORMNGR or vice versa, and reissue the command.

SMC0244

```
METADATA command not supported for {non-UUI origin|non-XML
responses|command CCCC}
```

Level: 0

Explanation: A METADATA command was processed, but it is invalid for one of the following reasons:

- non-UUI origin

  indicates that the command was received from an operators console, or from the SMCPARMS or SMCCMDS data sets. The METADATA command is only allowed from the UUI interface; either from the SMCUUUI or SMCUSIM utilities, or from the UUI programmatic interface.

- non-XML responses

  indicates that the METADATA command originated from the UUI interface, but that XML responses were not requested. METADATA is only valid as a XML response.

- command *CCCC*

  indicates that the specified command *CCCC* does not produce XML output, so metadata is not available.

System Action: None.

User Response: Correct the METADATA command.

SMC0245

```
Code NNNN (X'xxxx'): SSSSSSSSSSS
or
Code NNNN (X'xxxx'):
Reason: SSSSSSSS
Explanation: SSSSSSSS
```

Explanation: A display RC command was processed that specified reason code *NNNN*, or hex reason code *XXXX*. The corresponding reason is displayed. If the DETAIL option was specified, the reason code explanation is also displayed.

System Action: None.

User Response: None.

SMC0246

```
HTTP Server initapi error:

{TCPNAME=TTTTTTTT}{, ADSNAME=AAAAAAAA}
{ERROR=EEEEEEEE}
{REASON=RRRRRRRR}
SMC comm RC=nnn
```

Level: 0

Explanation: During SMC HTTP server initialization an error was detected. The error (*EEEEEEEE*) is the TCP/IP return code (ERRNO), and the reason (*RRRRRRRR*) is the TCP/IP reason code.

System Action: HTTP server initialization ends with a return code of 8. If MAXRC(4) is in affect then SMC will terminate.

User Response: Correct the error and restart the SMC HTTP server component or SMC.

SMC0247

```
Mount failed for write-protected VTV VVVVV on drive DDDD
```

Level: 8

Explanation: An attempt was made to modify a VTV that is in a write protected state. The VTV was received via Cross TAPEPLEX Replication from another TAPEPLEX running VTCS 7.0 or above. The CTR VTV was placed into a write protected state to preserve the data integrity of the VTV. An attempt to modify the CTR VTV has been done, possibly by a disaster recovery test job.

System Action: The volume is not mounted.

User Response: The occurrence of this message indicates that your disaster recovery plan may need to be reviewed and revised. If a CTR VTV that may be modified were to be used in an actual disaster, the state of such a VTV may not be known, and the disaster recovery could be compromised. The applications should either be changed so that new volumes are created instead of modifying existing volumes or the data sets being modified are restored from a backup to new VTVs before running the application.

SMC0248

```
TCP/IP is inactive; host name XXXXXXXX resolution deferred [at
line NNNN of SMCCMDS|SMCPARMS]
```

Level: 0

Explanation: A SERVER command with a HOST parameter was processed while TCP/IP was inactive, so SMC was unable to resolve the host name.

System Action: The SERVER command is accepted. When TCP/IP becomes active, SMC attempts to resolve the host name. If the resolution is unsuccessful, an error message is generated, and no further attempt is made to communicate with the server. If the resolution is successful, SMC communicates using the resolved IP address.

User Response: Start TCP/IP to allow SMC to communicate with the server.

SMC0249

Warning: No available ports condition detected

Level: 0

Explanation: This message is issued periodically to indicate that the defined PORTRANGE may be insufficient, after SMC has been unsuccessful in finding a free port within the PORTRANGE defined on the TCPIP command.

System Action: The system waits and then retries the transaction several times. If none of the retries is successful, the SMC0128 message will be issued with a reason of "IP no free ports in PORTRANGE." If this message is not issued, it means that the retry was successful and a free port was acquired.

User Response: Issue the TCPIP command specifying a PORTRANGE with a larger number of ports. If the condition persists, contact StorageTek Support.

SMC0250

MTP *DDDD* job=*JJJJJJJJ* volser=*VVVVVV* since *MMM DD HH*:*MM*:*SS YYYY*

Level: 0

Explanation: This message is issued based on the setting of the MONITOR command MISSEDMNT parameter. If the MISSEDMNT is set to a non-zero value, the message is produced at the specified interval for all mounts that are pending but not yet completed.

System Action: None. The SMC mount monitor attempts to redrive the mount if possible.

User Response: None.

SMC0260

TAPEPLEX|STORMNGR *CCCCCCCC* commpath *PPPPPPPP* inactive; RC=*RRRR*, *EEEEEEEEEEEE*

Level: 0

Explanation: SMC is unable to communicate to the TAPEPLEX or STORMNGR using the specified commpath *PPPPPPPP*, where *PPPPPPPP* is the server name or (local). The value *RRRR* is the decimal return code, with a translated explanation *EEEEEEEEEEEE*.

System Action: The message is issued for each defined local commpath or SERVER and is non-scrollable as long as SMC is unable to communicate with the TAPEPLEX.

User Response: Correct the reported error for at least one communication path.

SMC0261

TAPEPLEX|STORMNGR *CCCCCCCC* inactive; no available communication paths

Level: 0

Explanation: The TAPEPLEX or STORMNGR *CCCCCCCC* has no defined communication paths, or all paths have a disabled status.

System Action: No communication is attempted to the TAPEPLEX or STORMNGR.

User Response: Add a communication path, or enable an existing local path or SERVER.

SMC0262

```
ROUTE waiting for TAPEPLEX|STORMNGR=TTTTTTTT, SERVER=SSSSSSSS,
UUI request ID=XXXXXXXXXXXXXXX, command=CCCCCCCC
```

Level: 0

Explanation: A ROUTE command was issued to the specified TAPEPLEX *TTTTTTTT*. However, a response was not received within 20 seconds. The SMC0262 message also indicates the SERVER used for the request, the UUI request ID assigned and the command verb.

System Action: The SMC re-waits for the response. If a response is not received, subsequent SMC0262 messages are produced at 10 minute intervals.

User Response: None.

SMC0280

```
READ REPLACEPOLICY command started {at line NNN of
SMCCMDS|SMCPARMS}
```

Level: 0

Explanation: A READ command was specified with the REPlacepolicy keyword. Any POLICY statements that were entered prior to this message that are not included in the new POLICY file are treated as logically deleted.

System Action: The READ command continues.

User Response: None.

SMC0281

```
READ REPLACEPOLICY command complete; RC=NN {at line NNN of
SMCCMDS|SMCPARMS}
```

Level: 0

Explanation: A READ command that specified the REPlacepolicy keyword has completed. After this message is issued, any reference to an SMC POLICY statement not processed between the SMC0280 and SMC0281 messages is treated as invalid.

System Action: None.

User Response: A non-zero return code indicates that an existing TAPEREQ statement references a POLICY that was not included in the new POLICY dataset.

SMC0282

```
WARNING: TREQDEF statement NNN references {not defined|now
deleted} POLICY PPPPPPPP
```

Level: 0

Explanation: A READ command that specified the REPlacepolicy keyword has processed. During TAPEREQ revalidation TREQDEF statement nnn was found to be in error because it referenced a POLICY that is now undefined or was deleted as part of the REPlacepolicy process.

System Action: The invalid TAPEREQ remains active referencing a "null" POLICY.

User Response: Add the specified POLICY or correct the specified TREQDEF statement.

SMC0283

```
READ REPLACEPOLICY specified in nested READ level N without
prior READ REPLACEPOLICY {at line NNN of SMCCMDS|SMCPARMS}
```

Level: 4

Explanation: A READ command that specified the REPlacepolicy keyword has processed. However it was discovered in a nested READ command at level *n* (i.e. a READ REPlacepolicy command as read as part of a READ command that did not specify REPlacepolicy). This combination may cause unpredictable results.

System Action: The READ command continues.

User Response: Validate that the final POLICY is that intended.

SMC0300

```
Message | Command NNNNNN Help Text:
```

Level: 0

Explanation: A Help command has been issued. The help text for the message or command is listed.

System Action: None.

User Response: None.

SMC0301

```
Help for XXXXXX not found
```

Level: 0

Explanation: A Help command has been issued. The subject XXXXXX is not found.

System Action: None.

User Response: Re-enter the Help command with a valid subject.

SMC0302

```
XXXXXX is an invalid range
```

Level: 0

Explanation: A HELP command has been issued. The subject *XXXXXX* is an invalid range.

System Action: None.

User Response: Reenter the HELP command with a valid subject.

SMC5001

```
SMC is not {active|JES3} cannot continue
```

Explanation: The utility was submitted on a system without an active SMC subsystem, or the SMCUPJS utility was submitted on a non-JES3 system.

System Action: Report processing terminates with a return code of 8.

User Response: Start the SMC subsystem and resubmit the utility job.

SMC5002

```
Utility release level n.n is incompatible with SMC release n.n
```

Explanation: The utility load module is not at the same release level as the SMC subsystem on the host.

System Action: Report processing terminates with a return code of 8.

User Response: Resubmit the utility job with the release level matching the SMC subsystem.

SMC5003

```
No active Tapeplexes; {unable to determine drive
characteristics|unable to continue}
```

Explanation: The utility was submitted on a system without an active library, or the SMC subsystem has not yet processed an allocation or message request. For the SMCUUUI utility, there is no defined HSC library.

System Action: Report processing terminates with a return code of 8.

User Response: Start the library subsystem. Then issue the RESYNC command and resubmit the job.

SMC5004

```
*** WARNING: HCD esoteric not found
```

Explanation: The SMCUPJS utility found an esoteric defined by the JES3 SETUNIT statement that had no corresponding HCD esoteric.

System Action: Report processing continues, but a return code of 4 is returned.

User Response: Research and correct the discrepancy.

SMC5005

```
*** WARNING: HCD esoteric does not match JES3 esoteric
```

Explanation: The SMCUPJS utility found an esoteric that contains different devices in its HCD and JES3 definitions.

System Action: The report lists JES3 devices missing from the HCD esoteric and HCD devices missing from the JES3 esoteric. Report processing continues, but a return code of 4 is returned.

User Response: Research and correct the discrepancy.

SMC5006

```
*** WARNING:  XTYPE contains inconsistent location or drive
characteristics
```

Explanation: Drives contained within an XTYPE do not have the same location type (library, virtual, nonlibrary, or unknown), the same location (ACS or VTSS), or the same recording technique.

System Action: Report processing continues, but a return code of 4 is returned.

User Response: Review the Device to XTYPE report to determine the inconsistency, and correct the discrepancy.

SMC5007

```
*** WARNING:  XTYPE contains unknown or MODEL(IGNORE) devices
```

Explanation: One or more of the drives within an XTYPE are either UNKNOWN, MODEL(IGNORE), or both. However, one or more drives in the XTYPE are NOT UNKNOWN or MODEL(IGNORE).

System Action: Report processing continues, but a return code of 4 is returned.

User Response: Verify that the XTYPEs are defined as intended.

SMC5008

```
SMCUDBX input parameter error
```

Explanation: An error was detected in the input PARM for the SMCUDBX utility. A detailed description of the error follows.

System Action: The utility processing terminates with a return code of 8.

User Response: Correct the indicated error and resubmit the job.

SMC5009

```
Unable to load TMS interface routine
{SLUDRCA1|SLUDRTLM|SLUDRRMM|SLUDRZAR}
```

Explanation: Based on the input TMS parameter, the SMCUDBX utility attempted to load the corresponding tape management access routine, but the load failed.

System Action: The utility processing terminates with a return code of 8.

User Response: Ensure that a load library containing the appropriate SLUDR* routine for your tape management system is available to the SMCUDBX utility though a JOBLIB, STEPLIB, or MSP LINKLIST library.

SMC5010

```
Error opening file DDNAME DDDDDDDD
```

Explanation: The utility was unable to open the DDNAME *DDDDDDDD*.

System Action: The utility processing terminates with a return code of 8.

User Response: Correct the execution JCL to provide the required DD statement.

SMC5011

```
Error processing ZARA interface for subsystem SSSS
```

Explanation: The user requested an extract from the ZARA tape management system with subsystem ID *CCCC*. A detailed description of the error follows the message.

System Action: The utility processing terminates with a return code of 8.

User Response: Correct the indicated error and resubmit the job.

SMC5012

```
Unexpected return code XXXX from TMS interface
```

Explanation: An unexpected return code *XXXX* was received from the TMS extract routine.

System Action: The utility processing terminates with a return code of 8.

User Response: If user modifications have been made to the TMS extract routine, correct the routine. Otherwise, contact StorageTek Software Support for assistance.

SMC5013

```
No VLF control record found by SLUDRTLM
```

Explanation: The user specified TLMS as the SMCUDBX tape management system, but the input file did not contain a CA-DYNAM/TLMS VLF record.

System Action: Utility processing terminates with a return code of 8.

User Response: Verify that the correct input file was specified on the DBTMS DD statement, and resubmit the job.

SMC5014

```
Error reading file DDNAME DDDDDDDD [;unterminated
{comment|continuation} line detected]
```

Explanation: The utility detected an I/O error or system error on the named data set.

System Action: Utility processing terminates with a return code of 8.

User Response: Correct the error and resubmit the job.

SMC5015

```
DDNAME DDDDDDDD is required; cannot continue
```

Explanation: The named DD name is required based on the input request.

System Action: Utility processing terminates with a return code of 12.

User Response: Supply the required DD statement and resubmit the job.

SMC5016

```
Processing complete; UUI commands processed = nn, highest RC=
nn
```

Explanation: UUI processing has completed.

System Action: None.

User Response: None.

SMC5017

```
Error processing program PARMS; error description
```

Explanation: The utility program PARM contained an error.

System Action: Utility processing terminates with a return code of 12.

User Response: Correct the error and resubmit the job.

SMC5018

```
No SRMMDATA found for SMC subsystem=SSSS; cannot continue
```

Explanation: The SMCUSRM utility program was initiated to list the SMC media and rectech RMCODE values along with their names but the SRMMDATA data was not loaded by SMC subsystem *SSSS*, or could not be located by the SMCUSRM utility.

System Action: The SMCUSRM utility terminates.

User Response: Check the SMC subsystem *SSSS* log to determine the cause of the error and restart the SMC subsystem.

SMC5020

```
CSV parsing error; [error text]
```

Explanation: The UUI IN CSV command contained a syntax error.

System Action: The request(s) following the CSV command is not processed.

User Response: Correct the error and resubmit the job.

SMC5021

```
UUI command bypassed due to previous CSV error
```

Explanation: A UUI request followed a CSV command that contained a syntax error.

System Action: The request is not processed.

User Response: Correct the error and resubmit the job.

SMC5022

```
CSV command ignored due to missing CSVOUT DD
```

Explanation: A CSV command was processed but no CSVOUT DD was specified for the SMCUUUI utility.

System Action: The CSV command is ignored. Subsequent requests are processed with no CSV output.

User Response: Supply the CSVOUT DD statement and resubmit the job.

SMC5023

```
MMMMMMMM not executing from authorized library; cannot
continue
```

Explanation: The SMC utility module *MMMMMMMM* was executed from a non-APF library, but requires APF authorization.

System Action: Program execution is terminated.

User Response: Ensure that the SMC link library is APF authorized.

SMC5024

```
TEXTOUT command ignored due to missing TEXTOUT DD
```

Explanation: A TEXTOUT command was processed but no TEXTOUT DD was specified for the SMCUUUI or SMCUSIM utility.

System Action: The TEXTOUT command is ignored. Subsequent requests are processed with no TEXTOUT output.

User Response: Supply the TEXTOUT DD statement and resubmit the job.

SMC5025

CCCCCCCC command not allowed from *UUUUUUUU* utility

Explanation: The common UUI parser is included in both the SMCUUUI and SMCUSIM utilities. However certain UUI control statements and commands are not allowed from the SMCUSIM environment because SMCUSIM only allows SMC UUI commands and not HSC or VTCS UUI commands. For example, the PLEXDEST UUI control statement is not allowed from the SMCUSIM utility to select a different TapePlex.

System Action: The command is not processed.

User Response: Correct the utility input and resubmit the job.

SMC5026

Request not processed; no valid output type

Explanation: A UUI request was received for which the only specified output type was CSV, but there was no current CSV definition when the functional command was processed.

System Action: The command is not processed. If a CSV statement is found, subsequent commands are processed.

User Response: Correct the UUI input and resubmit the job.

HSC Codes

This chapter describes the following codes issued by HSC:

- HSC Return Codes
- HSC Abend Reason Codes
- HSC Message Route Codes and Descriptor Codes

HSC Return Codes

The following is a listing of HSC return codes and associated descriptions. Return codes are grouped according to issuing modules, components or utilities.

HSC Operator Command Return Codes

TABLE 4-1   HSC Operator Command Return Codes

Equate Value	Name	Description
X '0000'	ORCOK	OK return code
X '000A'	ORCNOSSI	No SMF SSI module loaded
X '0004'	ORCMORE	More processing required
X '000B'	ORCNOSLT	No slot in the SSVT
X '000C'	ORCNOCMD	No command SSI module loaded
X '000D'	ORCABEND	Operator command routine abended: SDUMP taken
X '000E'	ORCFORCE	The operator command component was forced down with a reply "TERM" to WMSG 031D.
X '000F'	ORCXCLSV	Mutually exclusive parms specified

HSC Initialization/Termination Return Codes

TABLE 4-2   HSC Initialization/Termination Return Codes

Equate Value	Name	Description
X'0000'	BRCOK	Operation occurred without an error
X'0004'	BRC4	return code 4 (non-fatal error)
X'0008'	BRC8	Operation occurred with error
X'0012'	BRC12	SLSBCITP initialize module failure
X'0016'	BRC16	Init/Term module did not load
X'0508'	BRCFLOAD	Load error on any initialization module
X'0509'	BRCFMODL	Called module returned a bad return code

HSC Mount/Dismount Return Codes

TABLE 4-3   HSC Mount/Dismount Return Codes

Equate Value	Name	Description
X'0000'	MRCOK	Good return
X'0704'	MRCSTOP	Stop processing
X'0708'	MRCNOACS	No local HCT was found (SLSMINIT)
X'070C'	MRCNOHCT	NO ACS entries found (SLSMINIT)
X'0710'	MRCVNF	Volume not found
X'0714'	MRCRETRY	Retry
X'0718'	MRCRVFWC	Recover Volume Wrong Cell
X'071C'	MRCRVFCC	Recover Volume CAP Cell
X'0720'	MRCVAS	Volume already selected
X'0724'	MRCVNE	Volume not errant
X'0728'	MRCERSEL	Volume errant and selected
X'072C'	MRCRTRYI	Incompatible scratch mount retry
X'0730'	MRCUSE	Use an over-limit cleaner
X'0734'	MRCEJECT	Eject response
X'0738'	MRCKEEP	Keep response
X'073C'	MRCFSPNT	Drive load fail spent clean cart
X'0740'	MRCRTNVL	LMU volser unmatched on dismount
X'0744'	MRCLSMOF	LSM was offline
X'0748'	MRCACSOF	ACS was disconnected
X'074C'	MRCVNOD	Volume to dismount not on drive
X'0750'	MRCDRVLD	Drive cell scan shows loaded
X'0754'	MRCLMUER	LMU error returned on cell scan
X'0758'	MRCVERNT	Volume is errant
X'075C'	MRCVTCSN	Virtual mount; VTCS not active

HSC Utility Return Codes

TABLE 4-4   HSC Utility Return Codes

Equate Value	Name	Description
X'0000'	URCOK	Good return
X'1501'	URCUACT	Utility functions active at ALS term
X'1502'	URCSCU	Scratch update in process
X'1503'	URCSRD	Scratch redistribution in process
X'1504'	URCAUD	Audit utility in process
X'1505'	URCTRM	Utility termination in progress
X'1506'	URCSUB	Subsystem is not active
X'1507'	URCDSFAL	RECONFIG data space failed
X'1508'	URCDSTRM	RECONFIG data space terminate
X'1509'	URCDVARF	RECONFIG data space DVARs full
X'150A'	URCDSFMM	RECONFIG data space subfile record number mismatch CDSDEF and RECDEF
X'150B'	URCDSNNW	RECONFIG data space RECDEF not

TABLE 4-5   Audit Utility Return Codes

Equate Value	Name	Description
X'0000'	URCAOK	Good return
X'2001'	URCADUP	Duplicate found
X'2002'	URCAADD	Volume added
X'2003'	URCACHG	Volume updated
X'2004'	URCASEL	Volume was selected (unavailable)
X'2005'	URCAEJE	Cartridge eject failed
X'2006'	URCABGNC	Unable to acquire CAP
X'2007'	URCAMED	Volume/MEDIA mismatch
X'2008'	URCAUMED	MEDIA unreadable – existing tape
X'2009'	URCAMEDE	MEDIA unreadable – new tape
X'2010'	URCAMEJE	Cartridge eject failed – MEDIA
X'2011'	URCAVOLR	Volume became unreadable
X'2050'	URCETRM	Early stop signalled by ASCOMM
X'2098'	URCALER	LMU/LSM error occurred
X'2099'	URCAIOE	I/O error detected

HSC CAP Processing Return Codes

TABLE 4-6 HSC CAP Processing Return Codes

Equate Value	Name	Description
X'0000'	CRCOK	CAP finished request without error
X'2504'	CRCLSM	Invalid LSMid
X'2508'	CRCLSMOF	LSM is manual mode (offline)
X'250C'	CRCATHS	Invalid IATHSid
X'2510'	CRCATHOF	ACS is disconnected (offline)
X'2514'	CRCBSYCP	Specified CAP is busy
X'2518'	CRCBADCP	CAP ACS <> Vol/cell/drive ACS
X'251C'	CRCRLSCP	CAP is released
X'2520'	CRCIDLCP	CAP not in use
X'2524'	CRCNOCAP	No (>0 priority) CAPs available
X'2528'	CRCLMUER	LMU request failure
X'252C'	CRCVBSY	VOLSER is already selected
X'2530'	CRCVDUP	Requested volser is a duplicate
X'2534'	CRCERRNT	Cartridge is errant
X'2538'	CRCOPRAB	Operator aborted process
X'253C'	CRCVRCER	Volume/cell control error
X'2540'	CRCNOSPC	No cells available in ACS
X'2544'	CRCDRCER	Data base server error
X'2548'	CRCFRCER	Configuration control error
X'254A'	CRCRECER	Recover errant volume error
X'2550'	CRCINVFN	Invalid CAP function requested
X'2554'	CRCMTCAP	Ask operator to empty CAP
X'254C'	CRCLNOCP	LSM does not control a CAP
X'2558'	CRCVOL	Invalid volser
X'2560'	CRCNOVOL	CAP door closed with no vols
X'2564'	CRCCAPOF	CAP LSM is offline
X'2566'	CRCCOFFP	CAP pending offline
X'256C'	CRCOPRRT	Operator retry request
X'2570'	CRCNCNCL	Can not cancel request
X'2574'	CRCTFULL	Target is full
X'2578'	CRCABEND	CAP ABEND - Software Failure
X'257C'	CRCOPRDE	Operator deleted volume
X'2584'	CRCLSMPO	LSM in path offline
X'2588'	CRCAUTER	AUTO specified on nonspecific request

TABLE 4-6 HSC CAP Processing Return Codes (Continued)

Equate Value	Name	Description
X'258C'	CRCCAPER	Nonzero CAP specified for 4410
X'2590'	CRCCAUTO	CAP is in AUTO mode
X'2594'	CRCSTTER	Status error between CCAPDS and CDS
X'2598'	CRCINVID	Invalid CAPid
X'25A0'	CRCNAUTO	CAP AUTO services unavailable
X'25A4'	CRCPRFNA	CAPPref invalid for this CAP
X'25A8'	CRCANCEL	Cancel Command Received (x22)
X'25AC'	CRCNOACT	Unable to activate a spec. CAP
X'25B0'	CRCSSTAT	MODIFY CAP to state it's already in (F CAP ON when CAP already ON)
X'25B4'	CRCAMBIG	ACS+LSM does not discretely identify a CAP
X'25B8'	CRCRECVR	CAP is in RECOVER processing
X'25BC'	CRCNOTAC	Media incompatible with drive
X'25C0'	CRCVREAD	Invalid volser during LS enter
X'25C4'	CRCACDNY	Access Denied by user exit 14
X'25C8'	CRCURMED	Unreadable media (? from LMU)
X'25CE'	CRCCAPNO	CAP not operational
X'25D0'	CRCCUNAL	CAP is unallocated

HSC Volume/Cell Return Codes

TABLE 4-7   HSC Volume/Cell Return Codes -- No Parameter List

Equate Value	Name	Description
X'0000'	VR15GOOD	register 15 shows good return
X'40F1'	VR15BAD	register 15 shows error return
X'40F2'	VR15ACTV	register 15 shows active VATs at termination
X'40F3'	VR15NOTF	register 15 shows VAT not on VAT queue
X'40F4'	VR15NOTO	register 15 shows VAT not owned
X'40F5'	VR15SPE1	register 15 shows bad number of subpool entries
X'40F6'	VR15SPE2	register 15 show bad number/order of subpools
X'40F7'	VR15SPE3	register 15 shows bad subpool entry range
X'40F8'	VR15SPE4	register 15 shows bad label type
X'40F9'	VR15SPE5	register 15 shows subpools already defined
X'40FA'	VR15SPE6	register 15 subpools out of order
X'4100'	VR15ATFL	ATTACH SLSVSCHK failed
X'4104'	VR15DOWL	VCAMs down level
X'4108'	VR15IOER	I/O error processing VCAM

TABLE 4-8 HSC Volume/Cell Return Codes -- With Parameter List

Equate Value	Name	Description
X'0000'	VRCOK	function successful
X'4001'	VRCVNF	volume not found
X'4002'	VRCVAS	volume already selected
X'4003'	VRCVER	volume errant
X'4004'	VRCVNS	volume not selected
X'4005'	VRCVNO	VAT not owned by caller
X'4006'	VRCRNO	VAR not owned by system
X'4007'	VRCIVC	illegal VAR change
X'4008'	VRCVSC	volume already scratch
X'4009'	VRCLNC	location not cell
X'4010'	VRCVDP	volume is duplicate
X'4011'	VRCNSC	no scratch volumes
X'4012'	VRCAIP	audit is in process
X'4013'	VRCNCA	no cells available
X'4014'	VRCCIN	cell id not allocatable
X'4015'	VRCCAF	cell already free
X'4016'	VRCILI	invalid LSM id
X'4017'	VRCICI	invalid cell id
X'4018'	VRCVNE	volume not errant
X'4019'	VRCIPI	invalid panel index
X'401A'	VRCBAL	Out-of-balance free cell count
X'4020'	VRCCVL	cell has volume
X'4021'	VRCCNV	cell has no volume
X'4022'	VRCTRM	cell scan terminated
X'4023'	VRCIET	invalid errant record
X'4024'	VRCISP	invalid scratch subpool index
X'4025'	VRCILB	invalid label type
X'4026'	VRCLWS	label without subpool qualifier
X'4027'	VRCNCL	no cleaning cartridges
X'4028'	VRCSCL	illegal attempt to scratch cleaner
X'4029'	VRCNCM	unable to communicate
X'4030'	VRCNSV	Not scratch volume
X'4031'	VRCSAE	Volume selected by errant recovery
X'4032'	VRCNAP	Not approved for scratch selection

TABLE 4-8 HSC Volume/Cell Return Codes -- With Parameter List (Continued)

Equate Value	Name	Description
X′4033′	VRCABT	Abort scratch selection
X′4034′	VRCMVC	Illegal to scratch VSM MVC
X′4037′	VRCDRTST	DR test prevents scratch request
X′4038′	VRCIVI	Invalid VAULT ID
X′4039′	VRCNSA	No slots available
X′4040′	VRCIVLTN	Invalid VAULT name
X′4041′	VRCISI	Invalid SLOT id
X′4042′	VRCSIN	SLOT not allocatable
X′4043′	VRCSAF	SLOT already free
X′4044′	VRCSNA	SLOT not allocated
X′4045′	VRCSAL	SLOT allocated
X′4046′	VRCSOR	SLOT out of range
X′4098′	VRCIOS	data base I/O error, (vol selected)
X′4099′	VRCIOE	data base I/O error
X′4101′	VRCVIOE	I/O error reading VOLP Card Image subfile

HSC Configuration Return Codes

TABLE 4-9   HSC Configuration Return Codes

Equate Value	Name	Description
X′0000′	FRCOKAY	function completed normally
X′0004′	FRCMORE	More data present (FIGMGR LOOP=Y)
X′4502′	FRCIPLST	invalid Plist
X′4504′	FRCDBIO	error reading/writing data base
X′4508′	FRCNHOST	no matching host id found in HCT
X′450C′	FRCILTIV	ILLT invalid or not supported
X′4510′	FRCCPOOL	no available storage in cell pool
X′0000′	FRCSACT	subsystem is active
X′4512′	FRCSIAT	subsystem is inactive
X′0000′	FRCAACT	ACS is connected
X′4514′	FRCAIAT	ACS is disconnected
X′0000′	FRCLACT	LSM is in automatic state
X′4516′	FRCLIAT	LSM is in manual state
X′4518′	FRCCIAT	CAP is not active
X′451A′	FRCCMANL	CAP is in manual mode
X′451C′	FRCCACT	CAP is not idle
X′451D′	FRCCOFF	CAP is offline
X′451E′	FRCCLEAN	drive needs cleaning
X′4520′	FRCALFLG	drive already flagged
X′4522′	FRCAINV	ACS identifier invalid
X′4524′	FRCLINV	LSM identifier invalid
X′4526′	FRCCINV	CAP identifier invalid
X′4528′	FRCUINV	unit address invalid
X′452C′	FRCDINV	drive identifier invalid
X′452E′	FRCMINV	LSM mode invalid
X′452F′	FRCMAIV	ACS mode invalid
X′4530′	FRCLKIV	lock token mode invalid
X′4532′	FRCALOK	LSM lock is not available
X′4534′	FRCNLOK	LSM was not previously locked
X′4536′	FRCRECFD	queue record found
X′453A′	FRCITOKN	token was incorrect
X′453C′	FRCIDATA	data was invalid
X′453E′	FRCTNFND	DATA type not found
X′4542′	FRCRCAP	CAP could not be released

TABLE 4-9 HSC Configuration Return Codes (Continued)

Equate Value	Name	Description
X'4544'	FRCNCAP	no CAP available
X'4546'	FRCHCAP	CAP not owned by this host
X'4548'	FRCACAP	CAP could not be activated
X'4550'	FRCABNR	CAP activated, but needs recovery
X'4552'	FRCNUCB	no UCB generated on this host
X'4554'	FRCNATT	SLSFLSMC could not be attached
X'4556'	FRCNMODE	not the FIGMGR mode requested
X'455A'	FRCPANIV	panel invalid
X'455C'	FRCROWIV	row invalid
X'455E'	FRCCOLIV	column invalid
X'4560'	FRCLMUC	LMU configuration read error
X'4562'	FRCNFER	configuration match error
X'4564'	FRCNBRD	host-to-host broadcast error
X'4566'	FRCLMUL	LMU error varying LSM status
X'4568'	FRCNRLS	data base release failed
X'456A'	FRCVRYFL	LMURQST vary station failure
X'456B'	FRCNRSRV	no reserve on the CDS
X'456C'	FRCNRECF	no record found
X'456D'	FRCSELCT	record already selected
X'456E'	FRCNAREA	insufficient space for output after configuration change
X'456F'	FRCLOGIC	config manager error
X'4570'	FRCNFTW	ACS contains 9740 LSMs
X'4571'	FRCNF20	LSM has 20 drive panels
X'4572'	FRCDRVNM	CDS/in memory drive discrepancy
X'4573'	FRCDRVTY	Drive type has been changed

HSC LMU Server Return Codes

TABLE 4-10   HSC LMU Server Return Codes

Equate Value	Name	Description
X'0000'	LMUOKAY	function successfully completed
X'6500'	LMUESINV	source is invalid
X'6501'	LMUESEMP	source is empty
X'6502'	LMUESVNM	source volser does not match
X'6503'	LMUESVNR	source volser not readable
X'6504'	LMUESUVL	unexpected volser on source
X'6505'	LMUETINV	target is invalid
X'6506'	LMUETFUL	target is full
X'6507'	LMUESTNA	source/target not in same ATHS
X'6508'	LMUESTNL	source/target not in same LSM
X'6509'	LMUESTNS	source/target not the same type
X'6510'	LMUENPTP	no passthru port available for xfer
X'6511'	LMUENLMU	LMU not online
X'6512'	LMUELLMU	lost communication with LMU
X'6513'	LMUEMIHX	cancelled by missing interrupt handler
X'6514'	LMUELSME	LSM hardware error
X'6515'	LMUELMUE	LMU hardware error
X'6516'	LMUECMNT	CAP in maintenance mode
X'6517'	LMUECDOP	CAP door is open
X'6518'	LMUEENTP	enter request pending
X'6519'	LMUEEJTP	eject request pending
X'6520'	LMUECCTP	CAP catalog pending
X'6521'	LMUEDLDE	drive load error
X'6522'	LMUEDULE	drive unload error
X'6523'	LMUEDALC	drive allocated error
X'6524'	LMUECRST	CAP already reserved to this host
X'6525'	LMUECRSO	CAP reserved to a host
X'6526'	LMUECNRT	CAP not reserved to this host
X'6527'	LMUEMPND	move is pending to/from CAP
X'6528'	LMUEDEAD	LMU is dead
X'6529'	LMUEIOPT	invalid option flag specified
X'652A'	LMUECRHG	CAP reserved to other host group
X'6530'	LMUEIOPC	option code is invalid
X'6531'	LMUESTBY	station is on standby

TABLE 4-10   HSC LMU Server Return Codes (Continued)

Equate Value	Name	Description
X'6532'	LMUEVUXR	volser unexpectedly readable
X'6533'	LMUEECBI	ECB Parm is invalid
X'6534'	LMUEEC2I	ECB2 Parm is invalid
X'6535'	LMUEVTMI	VIEW time is invalid
X'6536'	LMUEBVOB	bad VIEW object
X'6537'	LMUEDDSV	device doesn't support VIEW
X'6538'	LMUECMPT	compat level feature mismatch
X'6540'	LMUESTNF	Stations not found for initialization
X'6541'	LMUELAF	LMU listener attach failed
X'6542'	LMUETAF	LMU timer attach failed
X'6543'	LMUEDAF	LMU driver attach failed
X'6544'	LMUESAF	LMU station simulator attach failed
X'6545'	LMUELSAF	LMU simulator attach failed
X'6546'	LMUEWAF	LMU worker attach failed
X'6547'	LMUEMNS	LMU level unsupported for HSC
X'6548'	LMUENHCT	no HCT address was found in LVT
X'6549'	LMUEORIP	offline request already in progress
X'6550'	LMUENOFF	station is not offline
X'6551'	LMUENONL	station is not online
X'6552'	LMUELDNE	LMU does not exist
X'6553'	LMUENSTA	station does not exist
X'6554'	LMUENSPN	source and target not in same panel
X'6555'	LMUESOFF	station is offline
X'6558'	LMUEINVF	invalid function
X'6568'	LMUENMSG	no broadcast message present
X'6574'	LMUEICIV	invalid character in volser
X'6575'	LMUEICIM	invalid character in message
X'6578'	LMUENSEQ	no seq number on vary station on
X'6579'	LMUEVSTO	timeout on vary station online
X'657B'	LMUEVACC	request cancelled by force offline
X'657C'	LMUENVST	no stations varied online by request
X'657D'	LMUEBCON	TCP/IP connection failure
X'6582'	LMUEMFAC	motion found against cartridge
X'6584'	LMUEIBID	invalid broadcast id
X'6586'	LMUEDNRW	drive is not rewound
X'6590'	LMUEUAST	unable to allocate station

TABLE 4-10 HSC LMU Server Return Codes (Continued)

Equate Value	Name	Description
X'6591'	LMUEOFST	open failed for station
X'6592'	LMUELSMO	LSM is offline
X'6593'	LMUESHPF	set host path group failed
X'6595'	LMUEEOTR	enter operations terminated
X'6596'	LMUERDNW	release did not work
X'6598'	LMUEINVR	invalid response received from LMU
X'65A0'	LMUELON	LSM is online
X'65A1'	LMUELPON	LSM is pending online
X'65A2'	LMUELPOF	LSM is pending offline
X'65A3'	LMUELNON	LSM is not ready
X'65A4'	LMUELNOF	LSM is not offline
X'65A5'	LMUELMM	LSM is in maintenance mode
X'65A6'	LMUEIOE	LSM I/O error
X'65A7'	LMUECINV	invalid cancel request
X'65A8'	LMUEKILD	request was cancelled
X'65A9'	LMUECRNA	request to be cancelled not active
X'65AA'	LMUECLAT	too late to cancel specified request
X'65AB'	LMUEFOFF	LSM forced offline
X'65AC'	LMUESMMC	media miscompare
X'65AD'	LMUESMVM	media and volser miscompare
X'65AE'	LMUESIMD	incompatible media/drive
X'65AF'	LMUEMMAG	missing CAP magazine
X'65B0'	LMUERQBE	buffer not large enough to fit all request queue entries
X'65B1'	LMUERQBR	buffer required for request qcount, rqueues
X'65B2'	LMUEMNTO	maintenance door open
X'65E0'	LMUEAUTO	Auto operation completed
X'65F1'	LMUETERM	server in termination
X'65FF'	LMUEPRGD	request purged

HSC Data Base Server Return Codes

TABLE 4-11 HSC Data Base Server Return Codes

Equate Value	Name	Description
X'0000'	DRCOK	operation occurred without error
X'7004'	DRCPRMER	permanent I/O error on DB
X'7008'	DRCNODDN	no DDNAME statement for file
X'700C'	DRCRNF	record not found
X'7010'	DRCLOGIC	logic error, bad parameters
X'7014'	DRCNTRSV	data base not reserved by this task or any parent of this task
X'7020'	DRCRTCNQ	CDS copies do not match technique
X'7024'	DRCHACT	host active
X'7028'	DRCHQIS	host inactive
X'702C'	DRCHNON	host non-extant
X'7030'	DRCINOB	no ITT blocks
X'7034'	DRCSHIO	uncorrectable I/O error on CDS
X'7038'	DRCRETIO	I/O path aborted
X'703C'	DRCENBAD	bad ENABLE from DEERE
X'7040'	DRCBDEYE	bad eyecatcher in record
X'7044'	DRCHRCVH	this host has been recovered
X'704C'	DRCABEND	user exit abend
X'7050'	DRCALLOC	dynamic allocation failed
X'7054'	DRCOPNER	open error
X'7058'	DRCATTCH	DIOM attach failed
X'705C'	DRCPARME	error found in PARMLIB entry
X'7060'	DRCNVS	named variable service error
X'7064'	DRCUNALO	database is unallocated
X'7068'	DRCERROR	database is in error status
X'7078'	DRCLNMM	length mismatch
X'707C'	DRCFMMM	Reserved
X'7080'	DRCEOSF	end of Subfile
X'7084'	DRCSFNF	subfile not found
X'7088'	DRCINVLN	RECLN < 1 or > 4000
X'708C'	DRCDSUTR	all CDS copies are untrustworthy
X'7090'	DRCDSMLT	CDS copies not from a single CDS
X'7094'	DRCNRDIR	SLSDRDIR unable to rebuild dir
X'7098'	DRCFCORR	Corruption found. Retry read.

TABLE 4-11 HSC Data Base Server Return Codes (Continued)

Equate Value	Name	Description
X'709C'	DRCFSHSQ	shadow sequence out-of-sync
X'70A0'	DRCHSTIC	Incompatible host found at startup
X'70A4'	DRCRDEOF	Block read is not in the CDS
X'70A8'	DRCNCBAD	New CDS is an unusable data set
X'70AC'	DRCNCSIZ	New CDS insufficient size
X'70B0'	DRCNCIOE	I/O error initializing new CDS
X'70B4'	DRCDEXSI	CDS current size unchanged
X'7400'	DRCDUPL	duplicate record found on add
C'E'	DRCENA	an enable switch has come in
C'D'	DRCDISA	a disable switch has come in

HSC Address Space Communications Return Codes

TABLE 4-12 HSC Address Space Communications Return Codes

Equate Value	Name	Description
X'0000'	ORCOK	function complete
X'8004'	QRCNOALS	ALS is not active
X'800C'	QRCINVFC	invalid function code
X'8010'	QRCNOLVT	PC routine could not find LVT
X'8014'	QRCQNOA	ASCOMM is not active
X'8018'	QRCINVOP	invalid QUAB option
X'801C'	QRCINVTK	invalid token
X'8020'	QRCEDTIS	end dedicated task issued
X'8024'	QRCTABND	ASCOMM server task abended
X'8028'	QRCXDPER	XDPLST offset in DATA or RSP bad
X'8078'	QRCGMFAL	GETMAIN request for CSA failed

TABLE 4-13   HSC Address Space Communication Function Codes

Equate Value	Name	Description
1	QFCXUSER	HSC user interface request
2	QFCUNSEL	unselect
3	QFCSVARS	named variable service
4	QFCSVXIQ	VOL/CELL query subpool service
5	QFCSVXST	VOL/CELL set scratch threshold
9	QFCSLCD	Load/Call/Delete service
12	QFCUINCT	initialize cartridges
24	QFCUEJCT	eject cartridges
35	QFCUAUDT	audit
36	QFCUSCUP	scratch update
48	QFCXTLMS	VM tape management interface
49	QFCUENTR	enter utility server
64	QFCUMERG	CDS Merge
68	QFCUVOLR	volume report
70	QFCUSCRD	scratch redistribution
80	QFCUMOVE	move cartridge
124	QFCTOCMD	operator command
127	QFCAVLKP	allocation volume lookup
130	QFCJVLKP	job processing volume lookup
131	QFCJTLKP	Job Processing tapereq lookup
132	QFCJDLKP	Job Processing drive lookup
134	QFCMRQST	mount/dismount request
135	QFCMEJW	mount/dismount eject waiter
140	QFCEVLKP	JES3 volume lookup
150	QFCFMGR	config management
151	QFCMVPST	mount search and post
152	QFCSTRAC	cross memory SLSTRACE
160	QFCSTSR	VTCS QUIM Server Request Handler

HSC Recovery Return Codes

TABLE 4-14 Recovery Return Codes

Equate Value	Name	Description
X'0000'	RRCOK	good return
X'8504'	RRCCINIT	cease initialization
X'8508'	RRCVOLER	volume is errant
X'850C'	RRCHOACT	host is active
X'8510'	RRCNOITT	no ITT records for host recovery
X'8514'	RRCACHDI	ACS is disconnected
X'8518'	RRCLSMOF	LSM is offline
X'851C'	RRCVOLDE	volume does not exist
X'8520'	RRCDBERR	data base error
X'8524'	RRCNOCAP	no CAP available
X'8528'	RRCSHTDO	subsystem is terminating
X'852C'	RRCABEND	received SLS ABEND; high order two bytes contain the low order two bytes of R15 at abend time (reason code)
X'8530'	RRCBHOST	invalid host id
X'8534'	RRCVOLNE	volume is not errant
X'8538'	RRCVOLUN	volume should be unselected
X'8540'	RRCHRCAC	host recovery already in progress
X'8544'	RRCLMUER	LMU error
X'8548'	RRSELERR	selected by errant volume recovery
X'854C'	RRCVOLME	Volume mount errant on drive
X'85FC'	RRCMSPAB	received an MSP ABEND; high order two bytes contain the abend flag bits and system completion code
X'8550'	RRCDRVLD	drive loaded, no message requested
X'8554'	RRCVLMSM	wrong volume after forced rewind

HSC Service Component Return Codes

TABLE 4-15   Service Component Return Codes

Equate Value	Name	Description
X'0000'	SRCOK	service successfully completed
X'0004'	SRCMORE	More processing required
X'9000'	SEIDPGMI	PGMI/TMI move type request
X'9001'	SRCVRNF	volume not found in CDS
X'9002'	SRCCRNF	cell not a storage cell
X'9003'	SRCSERR	FROM volume could not be selected
X'9004'	SRCACSI	ACS ID is invalid
X'9005'	SRCACSD	ACS ID is disconnected
X'9006'	SRCINVL	invalid LSM ID
X'9007'	SRCLMOF	LSM ID is offline
X'9008'	SRCLMUE	LMU error
X'9009'	SRCNCEL	no cells available for service
X'9010'	SRCNLSM	no LSMs available for service
X'9011'	SRCAUDA	conflicting Audit Utility active
X'9012'	SRCAREC	audit of LSM x is recommended
X'9013'	SRCNMAT	volume does not match location
X'9014'	SRCEXUR	external label is unreadable
X'9015'	SRCCEMY	cell is empty
X'9016'	SRCTPCF	"TO" panel conflicts with Source Panel
X'9017'	SRCTLOF	"TO" LSM offline
X'9018'	SRCSTUC	cartridge is stuck
X'9019'	SRCLOFF	LMURQST LSM offline indicator VAR
X'901A'	SRCVRAC	Volume not found in specific ACS
X'901B'	SRCNSUBS	HSC subsystem not active
X'901C'	SRCESNES	ESTAE not established
X'901D'	SRCSABND	Service abended
X'9020'	SRCBDVL	length specified for VALUEL was too small to contain value
X'9021'	SRCNOMA	no match found for specified NAME
X'9030'	SRCSACIL	length specified for INLEN was invalid
X'9031'	SRCSACOL	length specified for OUTLEN was invalid
X'9032'	SRCSACTB	no match found for specified Accumulation table
X'9033'	SRCSACEL	invalid element was found
X'9034'	SRCSACPL	invalid parameter list found

TABLE 4-15 Service Component Return Codes (Continued)

Equate Value	Name	Description
X'9035'	SRCSACDT	invalid data type found
X'9036'	SRCSACER	SLSSACCM logic error
X'9040'	SRCMINL	length not adequate for minimums
X'9041'	SRCINVC	command is not valid
X'9050'	SVXINEND	end of list
X'9051'	SVXIVFUN	invalid SVXINQ function code
X'9052'	SVXINOMT	no match found for subpool name
X'9053'	SVXINOAC	no match found for ACS
X'9054'	SVXINOLM	no match found for LSM
X'9055'	SVXINSBF	no subpool data found
X'9056'	SVXINOSP	No space in buffer provided
X'9057'	SVXINCAL	Invalid SVXINQ request
X'9058'	SVXINMSC	No MSC found
X'9060'	SRCINVMN	invalid monitor string
X'9070'	SRCNOMON	monitor service not available
X'9071'	SRCNOSTR	no storage available
X'9080'	SRCSVINV	console ID is invalid
X'9090'	SRCUXBUX	BUXCHT missing all inactive
X'9091'	SCRUXNUM	bad user exit number
X'9092'	SRCUXMOD	module not found
X'9093'	SRCUXERR	load error on module
X'9094'	SRCUXPLT	bad function or plist
X'9095'	SRCUXSTA	status invalid for request
X'9096'	SRCUXLOK	a lock attempt failed
X'9097'	SRCUXLGC	a logic error occurred
X'9098'	SRCUXDDN	SLSUEXIT DD missing
X'9099'	SRCUXNOD	no dynamic load allowed
X'909A'	SRCABEND	Software failure
X'90A0'	SRCSNPTH	SPATH no CAPs available for pathing
X'90B0'	SRCSNAV	Service not available
X'90B9'	SRC90B9	Abend occurred - ESTAE invoked
X'90FF'	SRCUNKN	unknown error from SLSSMOVE
X'9101'	SRCSABAN	scratch-request not tried; service not up
X'9102'	SRCSABRL	scratch-request not OK; in retry and Q-lckd.
X'9103'	SRCSABLK	scratch-request not processed; Q-locked
X'9104'	SRCSABAO	subtask Attach-time ran out

TABLE 4-15   Service Component Return Codes (Continued)

Equate Value	Name	Description
X'9105'	SRCSABDN	detach-request not tried; service not up
X'9106'	SRCSABDO	subtask Detach-time ran out
X'9107'	SRCSABTS	subtasks still around at termin.
X'9108'	SRCSABSN	duplict/same-name subtask; no attach
X'9109'	SRCSABAT	bad MSP attach macro return code
X'9110'	SRCSABIM	can't initialize & attached. max times
X'9120'	SRCCVFNS	FLSM record not supplied
X'9121'	SRCCVIFR	Invalid FLSM record supplied
X'9122'	SRCCVILN	Location/FLSM LSM numbers are different
X'9123'	SRCCVIPT	Invalid panel type
X'9124'	SRCCVCNA	Cell not allocatable
X'9130'	SRCACDNY	Access denied
X'9131'	SRCWRTPR	Write protect

HSC Host Communications Services Return Codes

TABLE 4-16 HSC Host Communications Services Return Codes

Equate Value	Name	Description
X'0000'	HCSOK	function successfully completed
X'9201'	HCSENINT	service not initialized
X'9202'	HCSETRMP	termination already in progress
X'9203'	HCSEINVF	invalid function requested
X'9204'	HCSEINVL	invalid message data length specified
X'9205'	HCSENTRG	not previously registered
X'9206'	HCSENOMS	no message available
X'9207'	HCSESWND	method switch needed
X'9208'	HCSEINVT	invalid message type
X'9209'	HCSEINVH	invalid host specification type
X'920A'	HCSENHST	no matching host found
X'920B'	HCSENCMS	no CDS message for host
X'920C'	HCSEINVM	invalid method (no path defined)
X'920D'	HCSEUNKM	unknown method specified
X'920E'	HCSEHMLM	host's method limit exceeded
X'920F'	HCSEACTV	action attempted for active VTAMPATH
X'9210'	HCSEACTL	action attempted for active LMUPATH
X'9211'	HCSEDALL	DEL ALL specified for current method
X'9212'	HCSEMXLP	maximum LMUPATH definitions exceeded
X'9213'	HCSEINVA	invalid ACSid (method not LMU)
X'9214'	HCSEUNDA	undefined ACSid (LMUPATH)
X'9215'	HCSENMVP	no matching VTAMPATH to delete
X'9216'	HCSENMLP	no matching LMUPATH to delete
X'9217'	HCSESWTE	switch routine returned error
X'9218'	HCSEINVP	invalid message priority specified
X'9219'	HCSEINVB	invalid control block passed
X'921A'	HCSEIMLM	invalid method limit
X'921B'	HCSEEMLM	host entry method limit exceeded
X'921C'	HCSEHNVL	host not available via LMU
X'921D'	HCSENSCA	no send conversation active
X'921E'	HCSEISWF	invalid "switch from" parameters
X'921F'	HCSEABND	abend occurred

HSC UUI Return Codes

TABLE 4-17   Unified User Interface (UUI) Return Codes

Equate Value	Name	Description
X'0000'	NRCOKAY	Function completed normally
X'0004'	NRCWARN	Warning
X'0008'	NRCERROR	Command processing error
X'0020'	NRCFATAL	UUI fatal or environmental error
X'0028'	NRCTOKEN	UUI token identifier does not exist
X'0030'	NRCCANCL	UUI request cancelled or HSC inactive

HSC UUI Reason Codes

TABLE 4-18   Unified User Interface Reason Codes

Equate Value	Name	Description
X'0004'	NRCLEN	UUI request length error
X'0008'	NRCEXIT	UUI no exits specified
X'000C'	NRCPARSE	UUI request parse error
X'0010'	NRCREQNM	UUI request not found
X'0014'	NRCORIG	UUI request origin
X'0018'	NRCAUTH	UUI not authorized
X'001C'	NRCUTILL	UUI utility level not = LVT
X'0020'	NRCADVM	UUI Advanced Management Feature
X'0024	NRCSRCE	UUI request source (HSC/VTCS)
X'0028'	NRCXML	UUI XML format error
X'002C'	NRCUNSUP	UUI unsupported feature
X'0030'	NRCINVPR	UUI invalid parameter value
X'0034'	NRCNOVSM	UUI VSM not active or missing library
X'0038'	NRCCSV	UUI CSV specification error
X'003C'	NRCCSVF	UUI CSV format error
X'0040'	NRCRMTDD	UUI Unable to open remote DD (DCB)
X'0044'	NRCSRVLV	UUI HSC not required svc level

HSC Abend Reason Codes

The following is a listing of HSC abend reason codes and associated descriptions. Reason codes are grouped according to issuing modules, components or utilities.

HSC Operator Command Abend Reason Codes

TABLE 4-19 HSC Operator Command Abend Reason Codes

Equate Value	Description
0001	A Data base Volume Read request was issued in response to an operator DISPLAY VOLUME command. An invalid return code was received from DVLRD. R2 = DVLRD return code
0002	A syntax error was detected by the SLSSPARS routine. However, SLSOCLEX was unable to determine the point at which the syntax error occurred. R9 = ORQX R8 = SLSYKEYH
0003	An HSC operator command routine was unable to establish an ESTAE environment. Command processing could not continue without the ESTAE. R2 = return code from the ESTAE macro
0004	A parameter ID was returned by the SLSPARSE routine. However, SLSOCLEX was unable to match the parameter ID with a parameter entry on the parse table provided. R8 = SLSYKEYH
0005	Non-zero return code from SRMM.
0006	A nonzero return code was received from SLSONTAB. R2 = SLSONTAB return code
0008	A nonzero return code was received from SLSONTAB. R2 = SLSONTAB return code
000A	A nonzero return code was received from VSSTA. R2 = VSSTA return code
000C	A nonzero return code was received from VCSTA. R2 = VCSTA return code
000E	Reached the end of the LCB queue before finding a matching ACS id.
0010	Nonzero return code from SLSONTAB. R2 = SLSONTAB return code
0012	Nonzero return code from SLSONTAB. R2 = SLSONTAB return code

TABLE 4-19 HSC Operator Command Abend Reason Codes (Continued)

Equate Value	Description
0014	Nonzero return code from SLSFCONF FUNC=STATNID. R2 = SLSFCONF return code
0015	A Configuration Control request was issued to convert a device address to a drive ID. Invalid return code from SLSFCONF FUNC=DRIVEID. R2 = SLSFCONF return code
0016	Nonzero return code from SLSFCONF FUNC=ATHSMODE. R2 = SLSFCONF return code
0017	An LMU Server request was issued to write a Host to Host broadcast message. An invalid return code was received from LMURQST BCSTWRT. R2 = LMURQST return code
0018	A Configuration Control request was issued to flag a drive for cleaning. Invalid return code from FFLGDRIV. R2 = FFLGDRIV return code
0019	Invalid function for CAP request.
0020	Illogical LMU error return code.
0021	PATHing error - Corrupted SPPLEDEF SPPLEID field.

HSC Mount/Dismount Abend Reason Codes

TABLE 4-20 HSC Mount/Dismount Abend Reason Codes

Equate Value	Description
0075	An ASCOMM request was received by SLSMAIM. However, it contained an invalid DRIVEid. This is a program logic error.
0076	An ASCOMM request was received by SLSMAIM. However, it indicated an invalid function. This is a program logic error.
0077	An LMU Server function was requested. However, it returned an invalid return code. This is a program logic error.
0078	Mount/Dismount requested a mount function. Upon return, there was an invalid return code. This is a program logic error. R14 = addr of instruction detecting the invalid return code
0079	A MAIL was received. However, neither mount, dismount, nor swap was set. This is a program logic error.
0080	When a mount/dismount ITT routine was called, the routine specified in the ITT was incorrect. This is a program logic error. R3 = the address of the ITT
0081	Mount/dismount requested a vol/cell function. Upon return, there was an invalid return code. This is a program logic error. R14 = addr of instruction detecting the invalid return code
0082	Mount/dismount requested a cell scan. The LCCE provided was invalid. This is a program logic error. R4 = pointer to the LCCE
0083	Mount/dismount requested a recovery function. Upon return, there was an invalid return code. This is a program logic error. R14 = addr of instruction detecting the invalid return code
0084	Mount/dismount requested a RECVOL function. Upon return, the location returned was invalid. This is a program logic error. R2 = addr of the RITT
0085	Mount/dismount requested a CAP common function. Upon return, there was an invalid return code. This is a program logic error. R14 = addr of instruction detecting the invalid return code
0086	Mount/dismount requested a parse function. Upon return, there was an invalid return code. This is a program logic error.
0087	Mount/dismount requested a config function. Upon return, there was an invalid return code. This is a program logic error. R14 = addr of instruction detecting the invalid return code
0088	Mount/dismount wanted to issue a message telling what offline LSM the volume was in. However, the MFCR did not point to a VAT. This is a program logic error.

TABLE 4-20 HSC Mount/Dismount Abend Reason Codes (Continued)

Equate Value	Description
0089	Mount/dismount attempted to establish or delete an ESTAE. However, the ESTAE macro returned a nonzero return code. The upper 2 bytes of the reason code contains the ESTAE return code. This is a program logic error. R14 = the addr of the instruction detecting the invalid return code
009E	The module was trying to generate the high LSMid for an ACS. It generated more than ICOINLSM LSMids. This is a program logic error. R4 = the LSM address for the LSM
009F	Mount/dismount requested a db server function. Upon return, there was an invalid return code. This is a program logic error. R14 = addr of instruction detecting the invalid return code
0100	Mount/dismount requested an STIMERM function. Upon return, there was a nonzero return code. The upper two bytes of the reason code contain the STIMERM return code. This is a program logic error.
0101	Mount/dismount had a logic error. Somehow, it is executing without one of the ECBs in an ECB list getting POSTed. This is a program logic error.
0102	Mount/dismount had a logic error. It wanted to do an end CAP without setting a flag indicating that the CAP was open. This is a program logic error.
0103	Mount/dismount had a logic error. It wanted to issue a message. However, an invalid requestor requested the message. This is a program logic error.
0104	Mount/dismount had a logic error. It wanted to issue an LMU error message. However, an invalid requestor requested the message. This is a program logic error.
0105	Mount/dismount had a logic error. The swap request did not contain a valid device number. This is a program logic error.
0106	Mount/dismount had a logic error. The linkage assist routine was called for a non-supported function.
0107	Mount/dismount received too many abends in the SLSMHTH task. This is a program logic error.
0108	Mount/dismount received a nonzero return code from SVCUPDT of SVC91.
0109	Mount/dismount received an invalid return code from SVOLACC.
010A	A request for a virtual mount was received but the text did not contain an address for SLSTMAIN.
0110	Invalid parmlist for SLSMDRVR.

HSC Utility Abend Reason Codes

TABLE 4-21 HSC Utility Abend Reason Codes

Equate Value	Description
0150	Unrecognized function code passed to SLUIO.
0151	Could not start ASCOMM Task for Utility Server.
0152	Unrecognized response in ASCOMM Response Area (UADRA) from Phase 2 Server - SLSUAUDT2.
0153	Unrecognized response in ASCOMM Response Area (UADRA) from Phase 3 Server - SLSUAUDT3.
0154	Unrecognized response in ASCOMM Response Area (UADRA) from Phase 4 Server - SLSUAUDT4.
0155	Unrecognized function code in ASCOMM Data Area (UADDA or USUDA) from Utility Program.
0156	Unrecognized volume characteristics in subroutine SLSUAAVL.
0157	Attach SLSUALSM failure.
0158	Unrecognized response code from SLSUALSM task.
0159	No registered LSM entry address for this LSM.
0160	Unrecognized return code from subroutine SLSUAPAV.
0161	Undocumented return from LSM scan in Cell Catalog (LCCD).
0162	Unrecognized function code in ASCOMM Data Area (UICDA).
0163	Did not get returned values descriptor block from keyword table as expected.
0164	Unrecognized response in ASCOMM Response Area (UICRA) from Init Carts Server - SLSUINCT.
0165	Did not get ACS/LSM table entry as expected.
0166	Nonzero return code from SLUBKP10.
0167	Error return from SLSJINTA (Initialization Active).
0168	Invalid CAPid passed from SLUEJCT to SLSUEJCT.
0169	Unexpected return code from SLSUSCRD utility server.
0170	Unexpected return code from SLSUSCUP utility server.
0171	Invalid ASCOMM token. Token field was probably overlaid.
0172	Unexpected return code from Volume/Cell.
0174	Utility Parse Error Reporter called with no parse error flagged in Parse Table.
0176	No CAP found for the ACS in which the specified volume resides.
0177	Invalid function code passed from SLUEJCT to SLSUEJCT in field UECDFUNC to UECDA. Should be 'reserve CAP', 'eject', or 'release CAP'; no others.
0178	Invalid ACS id from UCTA.
0179	Logic error. End of file.
0180	Invalid response received.

TABLE 4-21 HSC Utility Abend Reason Codes (Continued)

Equate Value	Description
0181	Set utility read a block whose eyecatcher did not match expected eyecatcher. R2 = Block R3 = Eyecatcher R14 = Address doing read
0182	Unable to locate required keyword. R2 = Keyword R8 = SLSYKEYH (parse table)
0183	Logic error when searching for matching host-id in data base block. R14 = address where the problem was detected
0184	SLUIO was requested to generate a message that was too big.
0185	UENTCFGA chain is missing the correct FLSM record for the LSM being audited. R8+70x = FACS chain R9+Cx = LSM id R5 = UCTL R8 = UENT
0186	Table lookup failure - device type table vs. UCBTYPE R2= UCB
0187	Number of LSM records for ACS does not match the number of LSMs in this ACS (ACSCTLSM).
0188	Unexpected return code from FIGMGR.
0190	Unexpected return code from PGMI QDSN request.
0191	Unexpected return code from ASCOMM, either normal return code when end-of-task expected or unexpected end-of-task.
0192	Invalid parameter type received from ASCOMM SLUMERGE.
0200	SLSCNTL DD entry found in TIOT, but UCB address field contains binary zeros.
0201	Logical routine OPEN found no output record passed on the first invocation of the E35 user exit by DFSORT.
0202	Logical routine READ hit end of file. Code 0202 indicates a corrupted data set. Make a copy of the data set for problem determination, and restore or recreate it.
0203	Logical routine DELTABLK. A delta record, thought to be sorted, was found out of sequence.
0204	Logical routine DELTABLK. The 'after' image text within the current delta record is longer than the space in the control data base block to receive the 'after' image.
0205	Logical routine APPLY. Sorted delta data set with DDname SLSDELTA is empty.
0206	Invalid UEVT chain. The UEVT chain has been corrupted (i.e., the chain header is zero or one of the UEVT entries does not contain 'UEVT' as an eyecatcher).
0207	Invalid UEST chain. The UEST chain has been corrupted (i.e., the chain header is zero or one of the UEST entries does not contain 'UEST' as an eyecatcher).
0208	ESTAE routing was not successfully established. Return code from issuing ESTAE macro was not zero.

TABLE 4-21 HSC Utility Abend Reason Codes (Continued)

Equate Value	Description
0209	Logic error when searching for free cells and adjusting allocation map.
0210	Read/Write return code is not zero or end-of-file.

0211	The data set organization and/or record size of the CDS is invalid or an error occurred while attempting to determine the characteristics of the CDS.
	
	R2 = return code from SLUALCSZ
	
	`` 8 - DDname not found in TIOT``
	`12 - Unable to read JFCB for file`
	`16 - No DSN found in JFCB for file`
	`20 - Blksize for file was not 4096`
	`24 - Unable to get volume info for file`
	`28 - Unable to obtain VTOC info for file`
	`32 - Invalid DSORG for file`
	`36 - CDS file had more than 1 extent`
	`40 - Invalid UCBTYP (VM-only)`

HSC CAP Common Abend Reason Codes

TABLE 4-22 HSC CAP Common Abend Reason Codes

Equate Value	Description
0252	LMU took longer than 10 minutes to post the MOVE request completion ECB.
0253	Error attempting to start the enter process with the LMU Server. Info code contains the return code from the LMU Server.
0256	Unexpected return code from the VOL/CELL volume insert, volume update, or cell get functions.
0257	Unexpected return code from SLSCNCAP when entering a cartridge.
0258	Unexpected return code from SLSCGVOL when obtaining VOLSER from operator.
0259	Unexpected return code from SLSCCVOL when inserting volume record.
025A	After obtaining VOLSER from operator, invalid cell entry left in CAP catalog.
025B	Error attempting to delete VAR thru VOL/CELL after a move error which did not result in an errant cartridge.
025C	An attempt to create a volume record returned a return code other than no space or duplicate cartridge. Info code contains the bad return code.
025D	When attempting to use the LMU Server interface routine, SLSCNCAP, an unexpected return code was received. Info code contains the bad return code.
025E	A CAP END was requested, however, one or more of the CAP CONTROL BLOCK status fields was incorrectly set.
0260	Initialization found an ACS without a corresponding LSM.
0261	An attempt was made to unselect a volume after an error occurred in SLSCMCAP. The Info Code is the VVUNS RC. R2 = SLSCMCAP return code
0262	An invalid PARMLIST was passed to SLSCESET.
0263	Unexpected return code during abort of current CAP operation while HSC was in termination.
0266	Attempt to add/update volume with an unreadable media type (?). Entry of unreadable media should have been prevented earlier.

HSC Subsystem Allocation Module Abend Reason Codes

TABLE 4-23 HSC Subsystem Allocation Module Abend Reason Codes

Equate Value	Description
0352	Volume Lookup received error condition from data base VOL Read function.
0353	Volume Lookup received error condition from VOL/CELL Scratch Prefer.
0367	Volume Lookup received an unexpected return code from SLSTGVSP.

HSC Volume/Cell Abend Reason Codes

TABLE 4-24 HSC Volume/Cell Reason Abend Codes

Equate Value	Description
0400	Unrecognized panel type in Cell Allocation Map (VCAM).
0404	Unable to establish ESTAE.
0405	Unable to obtain clock value.
0406	Unrecognized function code in SLSVCSCN parameter area gened by VCSCN macro.
0407	Database I/O error
0408	Cell Scan work area (VCSCNIWK) not in proper format (header ID field not correct).
0409	Internal error building LSM path table
0410	Unable to unselect selected volume at HSC Termination.
0412	SLSVQCHK routine returned an unexpected return code.
0414	A volume serial number was encountered on the VAT Queue but does not exist in the data base.
0415	A vol cell function returned an invalid vol/cell return code. R2 = the return code
0416	Negative cleaner select count after cleaner unselect, or low cleaner volser greater than high cleaner volser after cleaner VCAM sync.
0418	Called SLSVINSP with an illegal function code.
0420	Attempt to store out of the bounds of a structure.
0422	Invalid VCPANLST (volume/cell panel list for inclusion/exclusion) from a MOVE routine.
0424	Invalid RC from FIGMGR. R2 contains the return code.
0425	No valid cleaner media for drive.

HSC Configuration Control Abend Reason Codes

TABLE 4-25   HSC Configuration Control Abend Reason Codes

Equate Value	Description
0450	Invalid ACS index.
0451	Invalid LSMid (in LRQST).
0452	Unsuccessful Cell Pool GET.
0453	Invalid CAPid (in LRQST).
0454	CAP reserved to another host.
0455	Invalid LSMid returned from SLSCAPA.
0456	Able to Vary Station offline in LMU but not in HST.
0457	No matching HOST id in Drive Table (FDRVT).
0458	Invalid LSM id (in HST).
0459	LMU register for broadcast failed.
0460	Listener subtask received control, but neither Terminate nor LMU broadcast ECB POSTed.
0461	LMSid invalid (in LST).
0462	HOSTid mismatch with LSM Lock Word.
0463	TCB address mismatch with LSM Lock Word.
0464	Unexpected return code from LMU Driver.
0465	Unsuccessful unselect of LSM (but not I/O error).
0466	Unable to delete ITT record.
0467	Control data base release (DRLSE macro) failed.
0468	Control data base I/O error.
0469	LMURQST broadcast read request failed.
0470	Invalid drive ID.
0471	Invalid data was detected in the FIGMGR Plist.
0472	FIGMGR UPDATE failed.
0473	Unexpected FIGMGR return code during Configuration processing.

HSC Initialization/Termination Abend Reason Codes

TABLE 4-26 HSC Initialization/Termination Abend Reason Codes

Equate Value	Description
0501	An HSC Initialization/Termination routine was unable to establish an ESTAE environment. Processing could not continue without the ESTAE. R2 = return code from the ESTAE macro
0502	Primary JES name not found in SSCVT chain.
0504	Init/Term flags in the SSCVT were altered by some other process during bring-up.
0506	Init/Term flags in the SSCVT were altered by some other process during shutdown.
0508	Init/Term flags in the SSCVT were altered by some other process during shutdown.
0510	Initialization/Termination service routines did not load during subsystem initialization.

HSC Installation Component Abend Reason Codes

TABLE 4-27 HSC Installation Component Abend Reason Codes

Equate Value	Description
0550	Invalid number of parameters. The specified module was called with a parameter list that did not have the high order bit of the last parameter address set. This is a program logic error.
0551	Invalid LIBGEN – Pass-Thru Port. The LIBGEN being processed was invalid. The neighbor specified for a Pass-Thru Port was not in the LIBGEN. This is a program logic error.
0552	A OBTAIN was issued to read a DSCB. A non-zero return code was returned. This is a disaster level error. R11 = the return code
0553	Invalid return code. An installation function was called. An invalid return code was received. This is a program logic error. R10 = the return code R14 = address after call to function
0554	Invalid IEFEB4UV return code. IEFEB4UV was called to look up a unit name. A return code other than zero or four was returned. This is a disaster level error. R11 = the return code
0555	Invalid device type (VM only). SLICDATA was performing a table lookup to obtain device characteristics but could not find the device containing the CDS. This is a program logic error.
0556	SLICDATA was attempting to find a panel map for a panel type and it could not find one.
0557	SLICDATA received a failure from dimension services for a library element.
0558	SLICDATA encountered an unexpected error when building drive records.

HSC TMS/User Interface Abend Reason Codes

TABLE 4-28 HSC TMS/User Interface Abend Reason Codes

Equate Value	Description
0600	ESTAE macro failed located.
0601	OPEN failed for the SLSTLMS file.
0602	An unrecoverable IUCV error occurred.
0603	ALLOC failed for SLSTLMS file.
0605	The user interface made a data base server function. Upon return, there was an invalid return code. This is a program logic error. R14 = addr of instruction detecting the invalid return code
0606	The user interface made a volume/cell function. Upon return, there was an invalid return code. This is a program logic error. R14 = addr of instruction detecting the invalid return code
0607	The user attempted to invoke the "call until EOF" form of the PGMI interface, but terminated before the PGMI request was complete.

HSC LMU Driver Abend Reason Codes

TABLE 4-29   HSC LMU Driver Abend Reason Codes

Equate Value	Description
0650	A configuration control request was made. However, the return code was invalid. The upper two bytes of the reason code contain the upper two bytes of the config return code.
0651	SLSLQ detected that the caller had not properly serialized the requested SLSLQ operation. Detection VIA CS logic.
0652	A check was made to see if requests are present on the Waiting Request Queue. The test was positive. However, the LQUEUE POP execution failed.
0653	A check was made to see if the caller of SLSLATOQ was holding the LCBLOCK. It was not.
0654	ESTAE environment had been previously established, but attempt to cancel the ESTAE environment failed. Driver was attempting to terminate.
0655	An error code was returned from SVC 99 while trying to deallocate a station which should have been allocated.
0656	Tried 3 times to establish ESTAE recovery routine; never got Return Code = 00 from ESTAE service.
0657	The LRT entry corresponding to the entry point called does not contain a source type descriptor bit.
0661	An LRQ was supposed to be completed but it was on an active, waiting, or outage queue; or the LCB lock was not held.
0663	Unable to establish ESTAE.
0664	ESTAE cancel failed. After establishing Recovery routine at startup, received failure trying to cancel ESTAE routine.
0665	LMU response error. A response was received which contains a sequence number that does not exist in the LMU Server's active request queue.
0666	ESTAE start failed. Did not receive R/C = 00 from ESTAE service after trying three (3) times to establish ESTAE recovery routine.
0667	Driver attach failed. Tried three (3) times to attach SLSLDRV. Either the attach failed or SLSLDRV failed to initialize correctly.
0668	Cross Memory POST error. An error was experienced when the LMU Driver's simulate write routine attempted to issue a Cross Memory POST.
0669	Cross Memory POST error. An error was experienced when the LMU Driver's simulate read routine attempted to issue a Cross Memory POST.
0670	An error was experienced when the LMU Driver's queue search attempted to scan more elements than were queued. The queue has been corrupted.
0671	An error was experienced when the LMU Driver attempted to add an element to the queue. It already was on the queue or the queue header was corrupt.
0672	An error was experienced when the LMU Driver attempted to remove an element from the queue. It was not on the queue.
0673	An error was experienced when the LMU Driver attempted to remove an element from the queue. The number on the queue is larger than the maximum.
0674	STIMERM failed. An error was experienced when the LMU Driver attempted to remove an element from the queue. The number on the queue is larger than the maximum.

TABLE 4-29   HSC LMU Driver Abend Reason Codes (Continued)

Equate Value	Description
0675	An invalid return code was given by SLSFLSMM. R14 = the return code
0676	User abend generated. A nonzero value was placed in WABNDMSG in the local work area triggering a user abend.
0677	User abend generated. A nonzero value was placed in WABNDMSG in the local work area triggering a user abend.
0678	User abend generated. UCB was not re-initialized upon restarting SLSLDRV after an earlier abend or premature term.
0679	LMU Request or Request Modifier entry not found.
067A	Simulation requested, but unable to load simulator LINK modules.

HSC Subsystem Data Base Module Abend Reason Codes

TABLE 4-30 HSC Subsystem Data Base Module Abend Reason Codes

Equate Value	Description
0700	Internal error. An attempt was made to reserve the CDS when no DPV was available.
0701	Uncorrectable CDS corruption. Database modules detected CDS corruption. SLSDRDIR was unable to correct the error. This reason code can occur during SLICREAT if the CDS space allocation is insufficient.
0702	Uncorrectable CDS corruption. Database modules detected CDS corruption. SLSDRDIR was able to rebuild the CDS, but the corruption remained.
0704	Internal error. Non-Owner attempted to release the data base reserve.
0705	Unable to locate a FREE database block when extending a subfile. User must allocate a larger CDS.
0707	The VARINUSE flag for a volume is not ON during the re-write process.
0708	The replacement VAR given contains a different volume serial number.
070A	BDAM or I/O error attempting to synchronize blocks.
070B	BDAM or I/O error attempting to scan VAR area.
070C	Internal error. No buffers past in DEEREPL.
070D	The last CDS copy is in error. System must come down.
070E	An I/O error occurred attempting to re-write the DHB.
070F	Hostid does not match any in the passed DHB record.
0710	No ITT blocks were available for allocation. This is a program logic error.
0711	Internal error. Block number not within bounds of Index.
0712	Internal Error. Caller has specified an incorrect token (does not match memory address of ITT).
0713	Internal Error. Length of Offset specified exceeds allowed.
0714	Internal Error. DCH eyeball invalid.
0715	Internal error. DCH is not cached.
0716	Internal error. VAR area overflowed.
0717	Internal error. Caller specified either an active or a nonexistent Host.
0718	.Internal error. No ITT extents could be acquired for the specified host (a). No ITT extents for the current host (b).
071A	Internal error. A CDS record's eyecatcher does not match the four (4) character subfile id defined for it.
071B	Internal Error. Invalid OPTION field specified for the SCAN.
071C	Internal error. Internal subroutine NEXTRITT returned other than OK or EOF.
071D	Internal error. One of the LSMs specified by the caller at SCAN init is not valid.
071E	Unexpected error attempting to read CDS.
071F	SLSDAWRC called without RESERVE being held by this task.

TABLE 4-30   HSC Subsystem Data Base Module Abend Reason Codes (Continued)

Equate Value	Description
0720	Attempt to attach heartbeat failed. R2 = ATTACH return code
0723	Internal error. Unable to establish ESTAE. Accompanies message 723E.
0724	Internal error. The program passed an invalid entry type to the user exit - SLSUX06. Accompanies message 724E.
0725	An attempt to locate an Errant Record for the specified ACS has failed. The ACS is given in message 725I.
0726	Internal error. The caller has specified an invalid ACS. Accompanies message 726I.
072A	Non-zero return code received from FIGMGR call.
072B	No matching panel type found in FLSM record for relative panel.
0731	Internal error. A caller of DRPHY has provided invalid parm data to the Data base read routine SLSDRDSR.
0732	Internal error. Invalid BDAM parm.
0733	Unable to switch Journals because other Journal has had a previous I/O error.
0735	Both Journals have had an I/O error.
0736	Following Journal switch, the newly current Journal indicates that it has not been reset.
0748	Caller passed a VAR whose ILLTERNT field is not within DES area. Message 748I issued.
0749	Caller attempts to write an ITT record with a recovery routine value of X'00'.
074A	SLSDIOM terminated with active CDS requests.
074B	An attempt to reserve CDS when no primary is active.
074C	An attempt to reserve CDS failed during error analysis.
074D	Internal error. CDS-level HCSRQST error.
074E	Internal error. Invalid DCVINFO specified.

HSC WTO Server Abend Reason Codes

TABLE 4-31   HSC WTO Server Abend Reason Codes

Equate Value	Description
0750	An interface error has been detected by the subsystem message writer routine. This is an internal error. R2 = a more specific error reason code
0751	A nonzero return code has been received from WTO while attempting to output a multi-line request. This is an internal error. R14 = the return code

HSC ASCOMM Abend Reason Codes

TABLE 4-32 HSC ASCOMM Abend Reason Codes

Equate Value	Description
0802	ASCOMM Termination already proceeding. SLSQDRV ESTAE routine will produce a dump and retry. This abend will not cause the ASCOMM driver task to terminate.
0803	ATTACH of SLSQWRK Failed. SLSQDRV ESTAE routine will produce a dump, free the QMTB, and retry. This abend will not cause the ASCOMM driver task to terminate. R14 = address of infraction
0804	Unable to establish ESTAE. ASCOMM attempt to establish or delete an ESTAE resulted in a nonzero return code. The upper 2 bytes of the reason code contains the ESTAE return code. This is a program logic error. R14 = instruction address
0805	The QXTRACT service was called by a task not attached by Ascomm. This is a disaster level error.
080C	Invalid Option found in QMTB. SLSQDRV ESTAE routine will produce a dump, free the QMTB, and retry. This abend will not cause the ASCOMM driver task to terminate.
080E	Invalid element on QMTB queue. The routine's ESTAE includes the invalid storage address in the system dump.
0810	Response Token specified by caller could not be located in ASCOMM internal tables. The task issuing the Respond will be terminated.
0811	Response length was bigger than the size specified in the original request. The task issuing the Respond will be terminated.
0815	Task Token specified by caller was zero. The task issuing the Respond will be terminated.
0820	Response Token specified by caller was a zero. The task issuing the Respond will be terminated.
0827	Unable to allocate Linkage Index. Initialization for ASCOMM is terminated. This prevents the entire subsystem from initializing.
0829	Attach of ASCOMM Driver failed. Initialization for ASCOMM is terminated. This prevents the entire subsystem from initializing.
0830	ASCOMM Driver Initialization Failed. Initialization for ASCOMM is terminated. This prevents the entire subsystem from initializing.
0833	Unconditional SETLOCK Failure.
0834	Unable to locate LVT. SRB is terminated.

HSC Subsystem Services Module Abend Reason Codes

TABLE 4-33   HSC Subsystem Services Module Abend Reason Codes

Equate Value	Description
0900	An attempt to allocate more than the maximum permissible save/work areas has been detected by SLSCALL. This is a program logic error. R9 = module being called R12 = module doing calling R14 = return address
0901	An attempt to allocate less than 72 bytes for a save/work area has been detected by SLSCALL. This is a program logic error. R9 = module being called R12 = module doing calling R14 = return address
0902	An attempt to free a partial save area stack has been detected by SLSBSADB. This is a program logic error.
0903	An attempt to free a partial save area stack has been detected by SLSBSADS. This is a program logic error.
0904	An attempt to allocate an initial save area stack larger than the maximum has been detected by SLSMAINP. This is a program logic error.
0905	A call was made to the lock/unlock service specifying invalid parameters. Either R1 was nonzero or R0 was zero. This is a program logic error.
0906	A call was made to the lock/unlock service and no DPV was available. This is a program logic error.
0907	A call was made to the lock/unlock service. An ENQ or DEQ was issued returning an invalid return code. This is a program logic error.
0908	A call was made to the SSAT service. However, an invalid entry was specified. This is a program logic error. R2 = invalid entry
0909	A call was made to the SSAT SET service. However, an active ENQ indicates the requestor was already processing a SET. This is a program logic error.
0910	Return code from internal subroutine PARSK000 was larger than could be handled by the jump table. R2 = the return code
0911	SLSSSATS either attempted to create or delete an ESTAE. ESTAE returned a nonzero return code. This is a program logic error. R2 = the return code
0912	Return code from internal subroutine PARSV000 was larger than could be handled by the jump table. R2 = the return code

TABLE 4-33 HSC Subsystem Services Module Abend Reason Codes (Continued)

Equate Value	Description
0913	A call to the volume/cell routine returned an invalid return code. R14 = area calling the volume/cell routine
0914	A call to the SLSSHSRQ routine requested an invalid function.
0915	A call to the SLSSHSRQ routine specified an invalid request or response.
0916	A task was attached to handle a request from another host. The ATTACH returned a nonzero return code. R14 = the return code
0917	A SRIBRQ macro was issued with an invalid function code. R10 = addr of the SRIBPL
0918	An error occurred during an attempt to establish an ESTAE for this module. R15 = the return code
0919	An error occurred during an attempt to establish an ESTAE for this module. R15 = the return code
0920	An error occurred during STIMERM simulation. ERRET was not specified on the STIMERM macro. R15 = the return code
0921	An error occurred in the STIMERM CPOOL FREE routine. The cell could not be freed. R15 = the return code
0922	An error occurred during SLSSACCM processing. R8 = SRCSACTB table R7 = SRCSACEL element R2 = the return code R15 = the return code
0923	An error occurred during SLSSUXQP processing. R5 = user exit entry code R8 = token for SACCUM
0924	An error occurred during SLSSUXCP processing. R7 = user exit entry BUXCHB R8 = address for BUXCHT
0925	The entry point address passed to SLSCALL was zero. R9 = module being called will contain zeros R12 = module doing calling R14 = return address
0926	LSMid invalid.
0927	The module ATTACH request timed out. R4 = module ATTACH request preceded by SLS1972D message

TABLE 4-33   HSC Subsystem Services Module Abend Reason Codes (Continued)

Equate Value	Description
0928	An unknown return code was received by a subroutine. The return code is placed in the SCELBDRC field of the SCELLV parameter list.
0929	Requestor specified an invalid location for the destination or target of a motion.
0930	Unexpected return code from SRMM RESOLVE for a unit address.
0931	An error was detected in the UENT (Utility entry) Control Block chain.
0942	SSI request failure when retrieving HSC's subsystem index value using the Verify Subsystem SSREQ.

HSC Recovery Component Abend Reason Codes

TABLE 4-34   HSC Recovery Component Abend Reason Codes

Equate Value	Description
8502	A host recovery RRPL was passed to SLSRMQUE, however, it contained an invalid HOST id. For same host recovery, the HOST id <> LVTHID. This is a disaster lever error. R9 = RRPL
8506	A recover RRPL was passed, however, it contained an invalid ACHS id. This is a disaster level error. R9 = RRPL
850A	A recover LSM RRPL was passed to SLSRMQUE, however, it contained am invalid LSM id. This is a disaster level error. R9 = RRPL
850E	A clean CAP RRPL was passed to SLSRMQUE, however, it contained an invalid CAP id. This is a disaster level error. R9 = RRPL
8516	A VOL/CELL function was requested. However, it returned an invalid return code. The high order two bytes of the reason code contain the high order two bytes of the return code. This is a program logic error.
851A	A config function was requested. However, it returned an invalid return code. The high order two bytes of the reason code contain the high order two bytes of the return code. This is a program logic error.
851E	A CAP common function was requested. However, it returned an invalid return code. The high order two bytes of the reason code contain the high order two bytes of the return code. This is a program logic error.
8522	A clean volume RRPL was passed to SLSRMQUE. However, the VOLSER was invalid. This is a program logic error. R9 = RRPL
8526	An invalid RRPL was supplied. This is a program logic error. R9 = RRPL
852A	An LMU Server function was requested. However, it returned an invalid return code. The high order two bytes of the reason code contain the high order two bytes of the return code.
852E	The number of errors allowed by RCVTERRA has been exceeded.
8532	The recovery ITT Recovery routine was called but was passed an ITT that specified a different ITT Recovery routine. This is a program logic error. R9 = RITT R10 = RITP
8536	A task responsible for performing host recovery abended. This is a program logic error. R9 = RRPL

TABLE 4-34 HSC Recovery Component Abend Reason Codes (Continued)

Equate Value	Description
853A	A clean volume RRPL was passed to SLSRMQUE. However, the caller had the LSM locked. This is a program logic error. R9 = RRPL
853E	A database server function was requested. However, it returned an invalid return code. The high order two bytes of the reason code contain the high order two bytes of the return code. This is a program logic error.
8542	An invalid parameter list was passed to a recovery function. This is a program logic error.
8546	A recovery function was requested. However, it returned an invalid return code. The high order two bytes of the reason code contain the high order two bytes of the return code. This is a program logic error.
854A	Recovery detected a DES with an invalid source or destination record. This is a program logic error. R3 = location being checked R9 = DES
854E	Recovery was unable to attach a task. This is a program logic error. R14 = Attach return code
8552	Recovery received an invalid LTCE. This is a program logic error. R2 = LTCB R3 = LTCE
8556	Recovery of a CAP or LSM was requested, however, the LSM could not be found in the LSMid table. R2 = LSMid R6 = LSMid table
855A	Recovery of a CAP or LSM was requested. However, the ITT specified had a routine type of zero. R9 = RRPL

HSC Host Communications Abend Reason Codes

TABLE 4-35 HSC Host Communications Abend Reason Codes

Equate Value	Description
9200	An ESTAE error occurred. R2 = ESTAE error return code
9201	An ATTACH error occurred. The ESTAE routine produces a dump and retries. SLSHINIT gives error return code to initialization. R2 = ATTACH error return code
9202	Unknown ECB posted. Dispatched task could not determine the POSTed ECB. The ESTAE routine produces a dump and retries.
9203	Unknown return code. SLSHWRT returns error return code to caller. ESTAE routine produces a dump and retries.
9204	Downward switch from CDS method attempted. SLSHSWT returns error return code to caller. ESTAE routine produces a dump and retries.
9205	Unknown current method. SLSHSWT gives error return code to caller. ESTAE routine produces a dump and retries.
9206	Unable to add entry to exit work queue. ESTAE routine produces a dump and retries.
9207	Unable to remove VTAM exit work queue. ESTAE routine produces a dump and retries.
9208	Unknown VTAM exit work queue entry type. ESTAE routine produces a dump and retries.

HSC Message Route Codes and Descriptor Codes

The following is a cross-reference list of message numbers to route codes and descriptor codes.

If a message does not have an associated route code listed in the following table, the message is a response to a command. In this case, the message is routed only to the console where the command was issued.

TABLE 4-36   HSC Message Route Codes & Descriptor Codes

Message-ID	Route Code(s)	Descriptor Code
SLS0001I		5
SLS0002I		5
SLS0003I		5
SLS0004I		5
SLS0005I		5
SLS0006I		5
SLS0007I	11	5
SLS0010I		5
SLS0011I		5
SLS0013I		5
SLS0015I	2,11	5
SLS0016I	2,11	5
SLS0017I	2,11	5
SLS0018I		5
SLS0019I	2,11	5
SLS0020I		5
SLS0021I		5
SLS0022I		5
SLS0023I		5
SLS0024I	11	5
SLS0028I	11	5
SLS0029I	11	5
SLS0030I		2
SLS0031D	2,3,5,11	2
SLS0032I	2,11	4
SLS0033A	9	2

TABLE 4-36 HSC Message Route Codes & Descriptor Codes (Continued)

Message-ID	Route Code(s)	Descriptor Code
SLS0034I	9,11	5
SLS0035A	3,5,11	2
SLS0036I	3,5,11	4
SLS0037I	3,5,11	4
SLS0040I		5
SLS0041I		5
SLS0042I	3,11	4
SLS0045I		5
SLS0046I		5
SLS0047I		5
SLS0048I	11	5
SLS0049I	11	5
SLS0050I		5
SLS0053I		5
SLS0054I	3,11	5
SLS0055I		5
SLS0056I		5
SLS0057I	2,11	4
SLS0059I	3,11	5
SLS0060I		5
SLS0061I		5
SLS0062I		5
SLS0063I		5
SLS0068I		5
SLS0069I	2,11	5
SLS0070I	3,11	5
SLS0071I	2,11	5
SLS0072I	5,11	5
SLS0075D	3,5,11	2
SLS0076I	2,11	4
SLS0077I	3,5,11	4
SLS0078I	3,5,11	4
SLS0079I	3,5,11	4
SLS0080I	3,5,11	4
SLS0081I	3,5,11	4
SLS0082I	3,5,11	4

TABLE 4-36 HSC Message Route Codes & Descriptor Codes (Continued)

Message-ID	Route Code(s)	Descriptor Code
SLS0083I	3,5,11	4
SLS0085I	3,5,11	4
SLS0086I	3,5,11	4
SLS0087I	3,5,11	4
SLS0088D	3,5,11	2
SLS0089E	3,5,11	3
SLS0090I	3,5,11	4
SLS0091I	3,5,11	4
SLS0092I	3,5,11	4
SLS0093I	3,5,11	4
SLS0094E	3,5,11	11
SLS0096I	3,5,11	4
SLS0098A	3,5,11	2
SLS0099I	3,5,11	4
SLS0100D	3,5,11	2
SLS0101I		5
SLS0103E	3,11	11
SLS0104D	3,5,11	2
SLS0105A	3,5,11	2
SLS0107D	3,5,11	2
SLS0108D	3,5,11	2
SLS0109D	3,5,11	2
SLS0110I	3,5,11	4
SLS0111I	3,5,11	4
SLS0112E	3,11	11
SLS0113D	3,5,11	2
SLS0114D	3,5,11	2
SLS0115I	3,5,11	4
SLS0116I	3,5,11	4
SLS0117E	3,11	11
SLS0118D	3,5,11	2
SLS0119D	3,5,11	2
SLS0120E	3,11	11
SLS0121I	3,11	4
SLS0122D	3,5,11	2
SLS0123I	3,11	4

TABLE 4-36 HSC Message Route Codes & Descriptor Codes (Continued)

Message-ID	Route Code(s)	Descriptor Code
SLS0124I	3,5,11	4
SLS0125D	3,5,11	2
SLS0127I	3,11	4
SLS0128A	3,5,11	2
SLS0129I	2,11	4
SLS0130I	3,5,11	4
SLS0131I	3,11	4
SLS0132I	3,5,11	4
SLS0133I	3,5,11	4
SLS0134D	3,5,11	2
SLS0135I	3,5,11	4
SLS0136D	3,5,11	2
SLS0137E	3,11	11
SLS0138D	3,5,11	2
SLS0139I	3,5,11	4
SLS0140I	3,5,11	4
SLS0141I	3,5,114	4
SLS0142I	3,5,11	4
SLS0143I	3,5,11	4
SLS0144I	3,5,11	4
SLS0145I	3,5,11	4
SLS0146I	3,5,11	4
SLS0147I	3,5,11	4
SLS0148I	3,11	4
SLS0149I	3,11	4
SLS0154A	2,11	2
SLS0250D	3,5,11	2
SLS0251E	3,5,11	3
SLS0252I	3,5,11	4
SLS0254I	3,5,11	4
SLS0255E	3,5,11	3
SLS0256I	3,5,11	4
SLS0257I	3,5,11	4
SLS0258I	3,5,11	4
SLS0259A	3,5,11	2
SLS0261A	3,5,11	2

TABLE 4-36 HSC Message Route Codes & Descriptor Codes (Continued)

Message-ID	Route Code(s)	Descriptor Code
SLS0262A	3,5,11	4
SLS0263D	3,5,11	2
SLS0265A	3,5,11	2
SLS0266I	3,5,11	4
SLS0267A	3,5,11	2
SLS0268I	3,5,11	4
SLS0269I	3,5,11	4
SLS0301I	11	4
SLS0303I	3,11	4
SLS0306I	3,11	4
SLS0308I	3,11	4
SLS0310I	3,11	4
SLS0313E	2,11	11
SLS0315I	2,5	4
SLS0316I	2,5	4
SLS0317I	3,5,11	4
SLS0318I	2,5	4
SLS0319I	2,5	4
SLS0320I	2,11	4
SLS0360E	2,3,11	11
SLS0381A	2,3,11	11
SLS0404I	5,11	4
SLS0410I	3,5,11	4
SLS0411I	3,5,11	4
SLS0451I	2,11	4
SLS0452I	2,11	4
SLS0453I	3,11	4
SLS0454I	2,11	4
SLS0455I	2,11	4
SLS0456I	3,11	4
SLS0457I	3,11	4
SLS0458I	3,11	4
SLS0460I	2	4
SLS0500I	2	4
SLS0501I	2,11	4
SLS0503I	2,11	4

TABLE 4-36   HSC Message Route Codes & Descriptor Codes (Continued)

Message-ID	Route Code(s)	Descriptor Code
SLS0504I	2,11	4
SLS0505I	2,11	4
SLS0506I	2,3,5	4
SLS0507I	2,11	4
SLS0508I	2,11	4
SLS0509I	2,11	4
SLS0510I	2,11	4
SLS0511I	2,11	4
SLS0512E	2,11	3
SLS0518D	2,11	2
SLS0519I	2,11	4
SLS0520I	2,11	4
SLS0521I	2,11	4
SLS0522I	2,11	4
SLS0523I	5,11	4
SLS0524I	5,11	4
SLS0525I	2,11	4
SLS0527I	2,3,5	4
SLS0529I	5,11	4
SLS0530I	2,11	4
SLS0531E	2,5,11	3
SLS0545I	2,3,5,11	4
SLS0548I	3,11	4
SLS0600I		5
SLS0601I		5
SLS0602I		5
SLS0603I		5
SLS0604I		5
SLS0605I		5
SLS0606I		5
SLS0607I		5
SLS0608I		5
SLS0609I		5
SLS0610I	11	5
SLS0611I		5
SLS0612I	11	5

TABLE 4-36 HSC Message Route Codes & Descriptor Codes (Continued)

Message-ID	Route Code(s)	Descriptor Code
SLS0613I		5
SLS0651I	3,11	4
SLS0652I	3,11	4
SLS0653I	3,11	4
SLS0655I	3,11	4
SLS0660I	3,11	4
SLS0661E	3,11	11
SLS0662I	3,11	4
SLS0663I	3,11	4
SLS0664I	3,11	4
SLS0665E	3,11	11
SLS0666A	3,11	2
SLS0667I	3,11	4
SLS0668I	3,11	4
SLS0669A	3,11	2
SLS0670I	3,11	4
SLS0671I	3,11	4
SLS0672E	3,11	11
SLS0673I	3,11	4
SLS0674I	2,11	4
SLS0675E	3,11	3
SLS0676I	2,11	4
SLS0677I	3,11	4
SLS0678I	3,11	4
SLS0679E	2,11	11
SLS0680I	2,11	4
SLS0681I	3,11	4
SLS0682D	3,11	2
SLS0683I	3,11	4
SLS0684I	3,11	4
SLS0685I	3,11	4
SLS0686I	3,11	4
SLS0687I	11	4
SLS0688I	3,11	4
SLS0689I	3,11	4
SLS0690E	3,11	3

TABLE 4-36 HSC Message Route Codes & Descriptor Codes (Continued)

Message-ID	Route Code(s)	Descriptor Code
SLS0691I	2,3,5,11	
SLS0696A	3,11	4
SLS0697I	3,11	4
SLS0698I	3,11	4
SLS0699I	3,11	4
SLS0702I	2,11	4
SLS0704E	2,11	3
SLS0707I	11	4
SLS0708I	11	4
SLS0712I	11	4
SLS0713I	11	4
SLS0714I	11	4
SLS0715I	2,11	4
SLS0717I	2,11	4
SLS0719I	2,11	4
SLS0720I	2,11	4
SLS0721I	11	4
SLS0723I	2,11	4
SLS0724I	2,11	4
SLS0725E	2,5,11	3
SLS0726I	2,11	4
SLS0730I	2,3,5,11	4
SLS0745I	5,11	4
SLS0746I	5,11	4
SLS0747I	2,5,11	4
SLS0750I	2,11	4
SLS0751I	2,11	4
SLS0752I	2,11	4
SLS0760I	2,11	4
SLS0761E	2,11	3
SLS0762E	2,11	3
SLS0764I	2,5,11	4
SLS0765E	2,5,11	11
SLS0766E	2,5,11	3
SLS0767E	2,5,11	3
SLS0768E	2,5,11	3

TABLE 4-36 HSC Message Route Codes & Descriptor Codes (Continued)

Message-ID	Route Code(s)	Descriptor Code
SLS0769I	2,5,11	4
SLS0770I	2,5,11	4
SLS0805I	2,11	4
SLS0810I	2,11	4
SLS0850I	2,11	4
SLS0851I	2,11	4
SLS0852I	2,11	4
SLS0853I	2,11	4
SLS0854D	3,5,11	2
SLS0856D	3,5,11	2
SLS0857I	11	4
SLS0858I	11	4
SLS0860D	3,5,11	2
SLS0863I	2,11	4
SLS0864I	3,5,11	4
SLS0865I	2,11	4
SLS0866I	2,11	4
SLS0867E	3,5,11	11
SLS0868I	3,11	4
SLS0869D	3,5,11	2
SLS0870I	3,5,11	4
SLS0871I	3,5,11	4
SLS0873I	3,5,11	4
SLS0900I	3,11	4
SLS0901D	3,5,11	2
SLS0902D	3,5,11	2
SLS0903D	3,5,11	2
SLS0904I	3,11	4
SLS0905D	3,5,11	2
SLS0906E	3,5,11	11
SLS0907I	3,5,11	4
SLS0908I	3,5,11	4
SLS0909D	3,5,11	2
SLS0910I	3,5,11	7
SLS0911D	3,5,11	2
SLS0912I	3,5,11	4

TABLE 4-36   HSC Message Route Codes & Descriptor Codes (Continued)

Message-ID	Route Code(s)	Descriptor Code
SLS0913I	3,5,11	4
SLS0917I	11	4
SLS0923I	3,11	4
SLS0925D	3,5,11	2
SLS0926I	3,5,11	4
SLS0927A	3,5,11	2
SLS0928A	3,5,11	2
SLS0929I	3,5,11	4
SLS0931I	3,5,11	4
SLS0934D	3,5,11	2
SLS0935D	3,5,11	2
SLS0936D	3,5,11	2
SLS0937D	3,5,11	4
SLS0950I	2,11	7
SLS0951I	2,11	7
SLS0952I	2,11	7
SLS0953I	2,11	4
SLS0954D	2,11	2
SLS0955E	2,11	11
SLS0973I	5,11	7
SLS0974A	5,11	7,11
SLS1000I	11	5
SLS1001I	11	5
SLS1002I	11	5
SLS1003I	11	5
SLS1004I	11	5
SLS1005I	11	5
SLS1007I	2,3,11	5
SLS1010I		5
SLS1011I		5
SLS1012I		5
SLS1014I	11	5
SLS1015I		5
SLS1016I		5
SLS1018I		5
SLS1026I		5

TABLE 4-36 HSC Message Route Codes & Descriptor Codes (Continued)

Message-ID	Route Code(s)	Descriptor Code
SLS1027I		5
SLS1028I		5
SLS1030I		5
SLS1031I	11	5
SLS1032I	11	5
SLS1033I	11	5
SLS1034I	11	5
SLS1035I		5
SLS1037I	11	5
SLS1038I	11	5
SLS1039I	11	5
SLS1040I	11	5
SLS1041I	11	5
SLS1042I	11	5
SLS1050I	11	5
SLS1051I	11	5
SLS1052I	11	5
SLS1071D	2,3,11	2
SLS1072I	11	4
SLS1074I	11	5
SLS1075D	3,5,11	2
SLS1250D	3,5,11	2
SLS1300D	2,3,11	2
SLS1301I	2,3	4
SLS1317I	2,11	4
SLS1320I	1,3,5,11	2,7
SLS1403I	5,11	11
SLS1406I	5,11	11
SLS1407I	3,5,11	4
SLS1408I	3,5,11	4
SLS1409I	5,11	11
SLS1450I	11	4
SLS1500I	2,11	4
SLS1501I	2,11	4
SLS1502I	11	4
SLS1505I	2,3,5,11	4

TABLE 4-36   HSC Message Route Codes & Descriptor Codes (Continued)

Message-ID	Route Code(s)	Descriptor Code
SLS1506I	2,3,5,11	4
SLS1507I	2,11	5
SLS1508I	2,11	5
SLS1509I	2,11	5
SLS1510I	2,11	5
SLS1512I	2,11	5
SLS1513I	2,3,5,11	4
SLS1515I	2,11	4
SLS1519I	2,11	5
SLSl600I	11	5
SLS1601I	11	5
SLS1602I		5
SLS1603I		5
SLS1604I		5
SLS1605I		5
SLS1606I		5
SLS1607I		5
SLS1608I		5
SLS1610I		5
SLS1611I		5
SLS1612I		5
SLS1613I		5
SLS1614I		5
SLS1615I		5
SLS1616I		5
SLS1617E		5
SLS1618I		5
SLS1619I		5
SLS1620I		5
SLS1625I		5
SLS1626I		5
SLS1627I		5
SLS1628I		5
SLS1629I		5
SLS1630I		5
SLS1631I		5

TABLE 4-36 HSC Message Route Codes & Descriptor Codes (Continued)

Message-ID	Route Code(s)	Descriptor Code
SLS1616I		5
SLS1650E	2,3,11	11
SLS1651I	2,3,11	4
SLS1652I	2,3,11	4
SLS1653D	2,3,11	2
SLS1654I	2,3,11	4
SLS1655I	2,3,11	4
SLS1656E	2,3,11	11
SLS1657I	2,3,11	4
SLS1658E	2,3,11	11
SLS1659E	2,3,11	11
SLS1660E	2,3,11	3
SLS1661I	2,11	4
SLS1662I	2,11	4
SLS1663I	2,3,11	11
SLS1664A	2,3,11	11
SLS1665E	2,11	4
SLS1700I	2,11	4
SLS1702I	2,11	4
SLS1703I	2,11	11
SLS1704I	2,11	4
SLS1705E	2,11	11
SLS1706E	2,11	11
SLS1708I	2,11	5
SLS1709I	2,11	11
SLS1710E	2,11	11
SLS1711I	2,11	11
SLS1712I	2,11	4
SLS1713I	2,11	5
SLS1714I	2,11	5
SLS1715I	11	4
SLS1717I	2,11	4
SLS1718I	2,11	4
SLS1719I	2,11	4
SLS1720E	2,11	5
SLS1721I	2,11	4

TABLE 4-36   HSC Message Route Codes & Descriptor Codes (Continued)

Message-ID	Route Code(s)	Descriptor Code
SLS1722I	2,11	4
SLS1723I	2,11	4
SLS1724I	2,11	4
SLS1725I	2,11	5
SLS1727I	2,11	11
SLS1729I	2,11	11
SLS1730I	2,11	4
SLS1731I	2,11	11
SLS1733I	2,11	11
SLS1735I	2,11	4
SLS1737E	2,11	3
SLS1738E	2,11	3
SLS1900I	2,11	5
SLS1901I	2,11	4
SLS1902D	2,11	4
SLS1903I	2,11	4
SLS1904E	2,11	3
SLS1905I	2,11	4
SLS1906I	2	4
SLS1950I		5
SLS1951I		5
SLS1952I		5
SLS1953I	2,11	5
SLS1954I		5
SLS1955I		5
SLS1956I		5
SLS1957I		5
SLS1958I		5
SLS1959I	5	5
SLS1960I	5	5
SLS1961I	5	5
SLS1962I	2,11	4
SLS1963I	2,11	4
SLS1964I		5
SLS1965I		4
SLS1966I	2,11	4

TABLE 4-36   HSC Message Route Codes & Descriptor Codes (Continued)

Message-ID	Route Code(s)	Descriptor Code
SLS1969I	2,11	4
SLS1970I	11	4
SLS1971I	2,11	4
SLS1972D	2,11	4
SLS2008I	11	5
SLS2009I	11	5
SLS2011I		5
SLS2012I		5
SLS2013I		5
SLS2014I	11	5
SLS2033I		5
SLS2034I		5
SLS2038I		5
SLS2039I		5
SLS2075I	11	2
SLS2080I	3,5,11	4
SLS2081I	3,5,11	4
SLS2082I	3,5,11	4
SLS2102D	3,5,11	2
SLS2108D	3,5,11	2
SLS2114D	3,5,11	2
SLS2124I	3,5,11	4
SLS2126I	3,5,11	2
SLS2154I	11	5
SLS2155I	11	5
SLS2169I	11	5
SLS2250I	3,11	4
SLS2251A	3,5,11	2
SLS2252A	3,5,11	2
SLS2253I	3,11	4
SLS2254A	3,5,11	2
SLS2255I	3,5,11	2
SLS2256I	3,5,11	2
SLS2257I	3,5,11	4
SLS2258I	3,5,11	4
SLS2259A	3,5,11	2

TABLE 4-36 HSC Message Route Codes & Descriptor Codes (Continued)

Message-ID	Route Code(s)	Descriptor Code
SLS2260I	3,5,11	2
SLS2261I	3,5,11	2
SLS2262I	3,5,11	4
SLS2263I	3,5,11	4
SLS2264E	3,11	11
SLS2267I	3,5,11	4
SLS2276I	3,5,11	4
SLS2303I	3,11	4
SLS2305I	3,11	4
SLS2375I	20	10
SLS2412I	3,5,11	4
SLS2450E	2,11	3
SLS2459I	2,11	4
SLS2460I	2,11	4
SLS2463I	2,3,11	4
SLS2501I	2,11	4
SLS2502I	2,11	4
SLS2526I	2,11	4
SLS2528I	2,11	4
SLS2550I	3,5,11	2
SLS2559I	3,5,11	2
SLS2580E	3,5,11	2
SLS2581A	3,5,11	2
SLS2610I		5
SLS2615I		5
SLS2616D		5
SLS2617I		5
SLS2618I		5
SLS2620I		5
SLS2621I		5
SLS2622I		5
SLS2623I		5
SLS2624I		5
SLS2625I	11	5
SLS2627I		5
SLS2628I		5

TABLE 4-36 HSC Message Route Codes & Descriptor Codes (Continued)

Message-ID	Route Code(s)	Descriptor Code
SLS2629I	11	5
SLS2630I		5
SLS2631I		5
SLS2632I		5
SLS2633E		4
SLS2635I		5
SLS2636A	9	2
SLS2637I		4
SLS2639I	5	4
SLS2640I		5
SLS2641I		5
SLS2642I		5
SLS2643I		5
SLS2644I		5
SLS2645I		5
SLS2646I		5
SLS2647I	2,11	4
SLS2648I	2,11	4
SLS2651I	2,3,11	4
SLS2654I		5
SLS2656I		5
SLS2701E	2,11	11
SLS2702E	2,11	11
SLS2716I		4,8,9
SLS2740I	5	11
SLS2741E	2,11	11
SLS2850I	3,5,11	4
SLS2901D	3,5,11	2
SLS2911D	3,5,11	2
SLS2912I		5
SLS2914I	11	5
SLS2915I	11	5
SLS2916I	11	4
SLS2934I	3,5,11	4
SLS2962I	3,5,11	4
SLS2964E	3,5,11	11

TABLE 4-36   HSC Message Route Codes & Descriptor Codes (Continued)

Message-ID	Route Code(s)	Descriptor Code
SLS2972I	11	5
SLS2973I	11	5
SLS2974I	2,11	4
SLS2976I	2,11	4
SLS2977I	2,11	4
SLS2978A	9	2
SLS2979I		4
SLS2980I		5
SLS2984D	3,5,11	2
SLS2985I		5
SLS2986I		5
SLS4266A	3,5,11	2
SLS4306I	1,3,11	2,7
SLS4308I	1,3,11	2,7
SLS4310D	1,3,11	2
SLS4451I	2,3,11	4
SLS4453I	2,3,11	4
SLS4454I	2,3,11	4
SLS4455E	2,3,11	4
SLS4650E	2,3,11	3
SLS4736E	2,11	11
SLS4737E	2,11	11
SLS4738I	2,11	11
SLS6001I	3,11	4
SLS6002I	3,11	4
SLS6004I	3,11	4
SLS6009I	11	5
SLS6010I	11	5
SLS6011I	11	5

SMC Return and Reason Codes

This chapter describes the following codes issued by SMC:

■ SMC UUI Return and Reason Codes

■ SMC ASCOMM Return Codes

■ SMC Communication Component Return Codes

SMC UUI Return and Reason Codes

The following return codes are set by the SMC UUI Component for external user communication with a TAPEPLEX or with the SMC.

UUI R15 Processing Codes

During UUI processing, R15 contains one of these values to identify the current status of the request.

TABLE 5-1 UUI R15 Processing Codes

Decimal Value	Hex Value	Description
1	1	More data to return
2	2	All data was returned (EOF)
3	3	Read next timeout; read next timeout occurred before any more data available

UUI Function Return Codes

The NCOMRSRC field contains one of these values (or 0, if the request completed successfully) indicating the severity of the error.

TABLE 5-2   UUI Function Return Codes

Decimal Value	Hex Value	Description
4	4	Command issued warning message
8	8	Command issued error message
12	X'000C'	Command issued fatal error
16	X'000A'	ABEND detected

UUI Function Reason Codes

The NCOMRSRS field contains one of these values if the NCOMRSRC field is non-zero.

TABLE 5-3   UUI Function Reason Codes

Decimal Value	Hex Value	Description
4	4	Request length error
8	8	No exits specified
12	X'000C'	Request parse error
16	X'000A'	Request not found
20	X'0014'	Command origin error
24	X'0018'	LINKLIB not authorized
28	X'001C'	Server release incompatible
32	X'0020'	VTCS advanced management feature required
36	X'0024'	Request cancelled or HSC is inactive
40	X'0028'	Malformed XML received from server
48	X'0030'	Invalid parameter value
52	X'0034'	VSM not active on server
56	X'0038'	CSV parameter keyword error
60	X'003C'	CSV parameter format error
64	X'0040'	Remote file I/O not supported
68	X'0044'	Not at required service level
72	X'0048'	Userid is not authorized
76	X'004C'	Specified UUI task not found
80	X'0050'	Dynamic reconfig is active
84	X'0054'	Transaction timeout occurred
92	X'005C'	An ABEND has occurred in a subtask.

TABLE 5-3   UUI Function Reason Codes (Continued)

Decimal Value	Hex Value	Description
96	X'0060'	Function process error
300	X'012C'	SMC not active
301	X'012D'	UUI request header error
302	X'012E'	Tapeplex inactive due to error
304	X'0130'	UUI unsupported by server release
305	X'0131'	XAPI unsupported in release
308	X'0134'	Request type invalid
312	X'0138'	Error acquiring new token
316	X'013C'	Module load error
320	X'0140'	Task attach error
324	X'0144'	No active TAPEPLEX for UUI
328	X'0148'	No TAPEPLEX or LVT addr
332	X'014C'	TAPEPLEX name not found
336	X'0150'	TAPEPLEX is disabled
344	X'0158'	Invalid TAPEPLEX addr
348	X'015C'	Invalid NCSCOMM PLIST
352	X'0160'	Invalid PLIST for OUTPUT
356	X'0164'	Inconsistent CSV parms
360	X'0168'	Unmatched tapeplex name
364	X'016C'	No local HSC for LOCALHSC
368	X'0170'	Linklib not authorized
372	X'0174'	Parse error for remote XML
373	X'0175'	XML returned not requested
374	X'0176'	Error in XML buffer handling
376	X'0178'	XML start tag not found
380	X'017C'	XML end tag not found
384	X'0180'	Error from SMC COMM... See HSC UUI messages and codes
388	X'0184'	Use local HSC for utility
392	X'0188'	Response length is 0
396	X'018C'	Response length too large
400	X'0190'	Requested service inactive
404	X'0194'	SMC service error inactive
420	X'01A4'	Utility release is incompatible with SMC subsystem
424	X'01A8'	No data returned for request
428	X'01AC'	UUI client early shutdown

SMC ASCOMM Return Codes

The following return codes are set by the SMC ASCOMM Component for MSP inter and intra address space communication. These codes can also be retuned to UUI requests.

TABLE 5-4 SMC ASCOMM Return Codes

Decimal Value	Hex Value	Description
500	X'01F4'	SMC STOP command issued or task cancelled
504	X'01F8'	Wrong version of SMCQASP
508	X'01FC'	At max SMCQUEE queue size
512	X'0200'	No GETMAIN storage
516	X'0204'	No dataspace storage
520	X'0208'	Invalid ASCOMM module index
524	X'020C'	QASTOKN acquisition error
528	X'0210'	Response timeout occurred
532	X'0214'	Final ACK timeout occurred
536	X'0218'	Indexed module not found
540	X'021C'	Async service already in progress, request bypassed
544	X'0220'	TAPEPLEX (non-SMC) ASCOMM timeout occurred
548	X'0224'	TAPEPLEX (non-SMC) ASCOMM error occurred
552	X'0228'	TAPEPLEX (non-SMC) ASCOMM abend occurred
560	X'0230'	ASCOMM task abended

SMC Communication Component Return Codes

The following return codes are set by various SMC communication components. These codes can also be returned to UUI requests.

The following return codes are set by the SMC TAPEPLEX Communication for local or remote communications:

TABLE 5-5 SMC Communication Component Return Codes

Decimal Value	Hex Value	Description
600	X'0258'	No active COMMPATH for TAPEPLEX
604	X'025C'	TAPEPLEX was invalidated
608	X'0260'	TAPEPLEX subsystem inactive
612	X'0264'	TAPEPLEX subsystem not valid
616	X'0268'	TAPEPLEX subsystem not on SSCVT
620	X'026C'	TAPEPLEX subsystem release error
624	X'0270'	TAPEPLEX is a VLE

The following return codes are set by the SMC Communication Component TCP/IP routines:

TABLE 5-6 SMC Communication Component TCP/IP Routine Return Codes

Decimal Value	Hex Value	Description
700	X'02BC'	Invalid remote transaction
708	X'02C4'	TCPIP setsockparm() error
712	X'02C8'	TCPIP socket() error
716	X'02CC'	TCPIP setsockopt() error
720	X'02D0'	No free port (SMCCTCPP)
724	X'02D4'	TCPIP bind () error
728	X'02D8'	TCPIP connect () error
732	X'02DC'	TCPIP send () error
736	X'02E0'	TCPIP recv () error
740	X'02E4'	TCPIP timeout error
744	X'02E8'	TCPIP listen() error
748	X'02EC'	TCPIP getclientid() error
752	X'02F0'	TCPIP accept() error
756	X'02F4'	TCPIP givesocket() error

TABLE 5-6   SMC Communication Component TCP/IP Routine Return Codes (Continued)

Decimal Value	Hex Value	Description
760	X′02F8′	TCPIP takesocket() error
762	X′02FA′	Server invalid host name
763	X′02FB′	TCP/IP is not active
764	X′02FC′	TCPIP getsockname() error
768	X′0300′	TCPIP NTOP/PTON error
772	X′0304′	TCPIP selectex() error
776	X′0308′	No socket for UUI shutdown
780	X′030C′	Exception FDS on SEND selectex()
784	X′0310′	Exception FDS on RECV selectex()

The following return codes are set by the SMC CGI routines or the HTTP server routines:

TABLE 5-7   SMC CGI Routine/HTTP Server Routine Return Codes

Decimal Value	Hex Value	Description
800	X′0320′	HTTP task limit exceeded
804	X′0324′	CGI module not found
808	X′0328′	CGI module abended
812	X′032C′	CGI module not authorized
816	X′0330′	CGI module not supported
820	X′0334′	CGI module returned error
832	X′0340′	CGI input function error
836	X′0344′	CGI output function error
840	X′0348′	CGI service function error
844	X′034C′	Request from WEB browser not authorized
848	X′0350′	HTTP server terminated
996	X′03E4′	Unknown logic error

VTCS Codes

This chapter describes the following codes issued by VTCS:

- **VTCS Return and Reason Codes**
- **VTCS Abend Reason Codes**
- **VTCS Message Route Codes and Descriptor Codes**

VTCS Return and Reason Codes

TABLE 6-1   VTCS Return and Reason Codes

Equate Value	Description
X'029A'	VTCS internal error
X'6A00'	Invalid REQMAN function call
X'6A01'	Termination requested
X'6A02'	Record locked, request requeued
X'6A03'	Timeout waiting for a request
X'6A04'	Invalid VTD device number
X'6A05'	Volume not dismounted from drive
X'6A06'	Extra RQM ECB has been posted
X'6A07'	Invalid subpool name
X'6A08'	No MVCs are available
X'6A09'	Could not verify VTV location
X'6A0A'	Invalid volume (VOLL) list
X'6A0B'	Invalid request manager (RQM) parms
X'6A0C'	Previous request not purged/requeued
X'6A0D'	MVC record lock not held
X'6A0E'	VTV record lock not held
X'6A0F'	Requeue target not a RQM
X'6A10'	Invalid request (VREQ)

TABLE 6-1 VTCS Return and Reason Codes (Continued)

Equate Value	Description
X'6A11'	The MVC could not be mounted
X'6A12'	Unable to decode the VCI request
X'6A13'	Drive state updated during recall
X'6A14'	Invalid VTSS subsystem name
X'6A15'	Request aborted by operator
X'6A16'	VTV has been fenced by previous errors
X'6A17'	MVC status changed
X'6A18'	Bad return from PGMI call
X'6A19'	Bad RTD device number
X'6A1A'	Bad media or device type
X'6A1B'	VTV is already in use
X'6A1C'	Mount of scratch bypassed
X'6A1E'	VTSS is offline
X'6A1F'	VTV is missing from VTSS
X'6AFE'	An ABEND occurred in a REQMAN call
X'6AFF'	Request has (already) been purged
X'A0A0'	VSM system down
X'A0A1'	MVC cartridge not found
X'A0A2'	VTV not found
X'A0A3'	VTV cartridge scratched
X'A0A4'	VTV cartridge unscratched
X'A0A5'	VTV cartridge not in scratch status
X'A0A6'	VTV cartridge already scratch
X'A0A7'	Scratch subpool not found
X'A0A8'	VTD unit address not found
X'A0A9'	VTV is in use
X'A0AA'	Invalid Volser was specified
X'A0AB'	No VTSS was found
X'A0AC'	VCI response error
X'A0AD'	RMM API Error
X'A0AE'	VTV Non scratch in RMM

VTCS Abend Reason Codes

FIGURE 6-1 VTCS Abend Reason Codes

Equate Value	Description
0607	Incorrect use of PGMI "call until EOF" option
6600	Attach failure
6601	Unable to establish ESTAE
6602	SWSMAIN received unknown TURB type
6603	Non-zero REQMAN RC
6607	Vector parameter in vector field error
6608	Undefined parameter in vector field
6609	Vector parameter not in SWSVETAB
660A	Invalid ECAMVECT function
660B	Requested parameter not in response
660C	HSC registration failure
660D	HSC ASCOMM failure
660E	Audit maxiumum subtask count exceeded
6610	More tasks then task table entries
6612	Invalid event notification request
6613	Bad VTV version encountered
6614	Internal error occurred during LOGUTIL processing
6661	Bad call to the status manager
6A00	Invalid REQMAN function call
6A0B	Invalid request manager (RQM) parameters
6A0D	MVC record lock is not held
6A0E	VTV record lock is not held
6A0F	Requeue target is not an RQM
6A10	Invalid request (VREQ)
6A18	Bad return from PGMI call
6A21	Bad function or parameter
6A23	CDS I/O error
6A24	Bad header record
6A3A	Internal error in Coupling Facility
6A39	Error accessing Coupling Facility

VTCS Message Route Codes and Descriptor Codes

The following is a cross-reference list of message numbers to route codes and descriptor codes.

If a message does not have an associated route code listed in the following table, the message is a response to a command. In this case, the message is routed only to the console where the command was issued.

TABLE 6-2   VTCS Message Route Codes and Descriptor Codes

Message ID	Route Code(s)	Descriptor Code(s)
02I		
03I		
04I		
05I	2,3,5	4
06I		
07I		
08E	2,3,5	3
09I	3	4
10E		
11I	2,3,5	4
12E		
13E	2,3,5	3
14I	3,5	4
15I	2,3,5	4
16I	2,3,5	4
17E	2,3,5	3
18E	2,3,5	3
19E	2,3,5	3
20E	2,3,5	3
21E	2,3,5	3
22I		
23I		
24I		
25E	2,3,5	3
26E	2,3,5	3
27E	2,3,5	3

TABLE 6-2 VTCS Message Route Codes and Descriptor Codes (Continued)

Message ID	Route Code(s)	Descriptor Code(s)
28E	2,3,5	3
29E	2,3,5	3
30I	3,5	4
31I	3,5	4
32I	2,3,5	4
33I	2,3,5	4
34I	3,5	4
35I	3,5	4
36I	3,5	4
37I	3,5	4
38I	3,5	4
39I	2,3,5	4
40I	3,5	4
41I	3,5	4
42I	3,5	4
43I	3,5	4
44I	3,5	4
45I	3,5	4
46I	3,5	4
47I	3,5	4
48I	3,5	4
49I	3,5	4
50I	3,5	4
SLS6651E	2,3,5	11
SLS6652I	2,3,5	4
SLS6653I	3,5	4
SLS6654I	3,5	4
SLS6655I	3,5	4
SLS6656I		
SLS6657E	2,3,5	3
SLS6658E	2,3,5	3
SLS6659I	2,3,5	11
SLS6660I	2,3,5	4
SLS6661E	2,3,5	11
SLS6662E	2,3,5	11
SLS6663I	7	11

TABLE 6-2 VTCS Message Route Codes and Descriptor Codes (Continued)

Message ID	Route Code(s)	Descriptor Code(s)
SLS6665I	3,5	4
SLS6666E	2,3,5	11
SLS6667I	3,5	4
SLS6668I	3,5	4
SLS6669E	2,3,5	11
SLS6670E	2,3,5	3
SLS6671E	2,3,5	3
SLS6672I		
SLS6673I	3,5	4
SLS6674I		
SLS6675E	2,3,5	3
SLS6676E	2,3,5	11
SLS6677I		
SLS6678E	2,3,5	11
SLS6679E	2,3,5	11
SLS6680E	2,3,5	11
SLS6681I	3,5	4
SLS6682I		
SLS6683I	3,5	4
SLS6684I	3,5	4
SLS6685I	3,5	4
SLS6686I	3,5	4
SLS6687I	3,5	4
SLS6688E	3,5	3
SLS6689E	3,5	3
SLS6690E	3,5	3
SLS6691I	3,5	4
SLS6692E	2,3,5	3
SLS6693I	3,5	4
SLS6694E	2,3,5	3
SLS6695E	2,3,5	11
SLS6696I	3,5	4
SLS6697I	3,5	4
SLS6698I	2,3,5	4
SLS6699E	2,3,5	11
SLS6700E	2,3,5	11

TABLE 6-2   VTCS Message Route Codes and Descriptor Codes (Continued)

Message ID	Route Code(s)	Descriptor Code(s)
SLS6701I	2,3,5	4
SLS6702E	2,3,5	3
SLS6703I	3,5	4
SLS6704E	2,3,5	3
SLS6727I	11	7
SLS6740E	2,3,5	4
SLS6741I	2,3,5	11
SLS6742I	2,3,5	4
SLS6743E	2,3,5	11
SLS6744I	2,3,5	3
SLS6745I	2,3,5	4
SLS6746E	2,3,5	11
SLS6747E	2,3,5	3

ECAM and VLE UUI Return Codes

ECAM Message Completion and Return Codes

SLS messages (including SLS6684I, SLS5079E, SLS5080E, and SLS6751I) contain ECAM completion codes (*CC*) and return codes (*RC*). The following table describes these codes:

TABLE 7-1   ECAM Completion Codes, Return Codes, and Descriptions

Completion Code	Return Code	Description
00	00	Successful completion
00	02	Request accepted for asynchronous process
00	100	Successful, end of inventory
00	101	Successful, Request in progress
00	103	Successful, completed with data loss. Warning: Could be a bad recall from a MVC!
Invalid Key		
02	01	No match found for key parameter
Invalid Parameter - Parameter Count Incorrect - Asynchronous Error		
03	00	Invalid value in parameter field
03	03	Vector field in error
03	08	Invalid check sum
03	09	Duplicate value in vector field
04	02	Required parameter count incorrect
04	03	No alter values supplied
04	04	Key parameter count incorrect
05	106	RTD is inaccessible due to IUP fencing
05	107	RTD request was cancelled

TABLE 7-1   ECAM Completion Codes, Return Codes, and Descriptions (Continued)

Completion Code	Return Code	Description
05	108	For User Response, see "CC=5 RC=108" on page 719.
05	109	For User Response, see "CC5 RC109" on page 720.
05	111	For User Response, see "CC5 RC111" on page 721.
05	112	For User Response, see "CC5 RC112" on page 721.
05	113	For User Response, see "CC5 RC113" on page 722.
05	114	For User Response, see "CC5 RC114" on page 722.
05	115	For User Response, see "CC5 RC115" on page 722.
05	116	For User Response, see "CC5 RC116" on page 723.
05	117	For User Response, "CC5 RC117" on page 723.
05	118	For User Response, see "CC9 RC118" on page 724.
05	158	Actual Block ID does not match expected Block ID
Conflicting Parameters		
07	00	This parameter conflicts with another parameter
Resource Shortage		
08	19 or 119	VTV inventory full
08	120	Out of Back-end capacity
Subsystem in Incorrect State for Request		
09	30	A Cache Reinit has interrupted the operation and caused it to fail
09	121	VTV is busy
09	122	VTV exists - VTV is in buffer but not in CDS. Run VTSS audit to correct
09	123	VTV does not exist
09	124	VTD is busy
09	125	VTV Inventory is not available
09	126	VTV is corrupt
09	127	For User Response, see "CC9 RC127" on page 724.
09	128	For User Response, see "CC9 RC128" on page 724.
09	129	For User Response, see "CC9 RC129" on page 725.
09	131	No request present for RTD. VTCS is doing clean-up after a VTSS warm boot. Informational only.
09	132	For User Response, see "CC9 RC132" on page 725.
09	133	For User Response, see "CC9 RC133" on page 725.
09	135	For User Response, see "CC9 RC135" on page 726.
09	139	VTV is being recovered by the VTSS
09	140	Reserved for use by VTCS, not generated by the VTSS

TABLE 7-1   ECAM Completion Codes, Return Codes, and Descriptions (Continued)

Completion Code	Return Code	Description
Clustered VTSS		
09	141	NLK port is not connected to a RTD (to another VTSS or not connected at all?)
09	142	NLK port is not attached to another VTSS (to RTD or not-connected at all?)
09	143	Provided subsystem name does not match actual name of secondary VTSS.
09	144	For User Response, see "CC9 RC144" on page 726.
09	145	ECART is not supported.
09	146	No logical path established to the VDID
09	147	No support for 62K page VTV's.
09	148	No support for 2GB or 4GB virtual cartridge type.
09	149	Request is not supported on an ESCON interface
09	150	A Synchronous Replicate failed due to a timeout
09	151	CLINK VDID is already in use by another CLINK.
09	152	CLINK VDID does not match already assigned VDID.
09	153	MVC Lost Position
09	154	Stacked Migrate queue is full
09	155	Migrate, Duplicate VTVID
09	157	ICE cards only support RTD paths 0&1.
09	159	RTD does not support ALP
09	160	T10K-C drive does not support request
09	161	RTD is ALP
09	162	TTFB VTD is already mounted
09	163	Invalid parameter for T10K-B drive type
09	164	Invalid parameter for T10K-C drive type
09	165	RTD Name not defined on VSM6
09	166	VTD is active
10	00	Prerequisite value not equal to value in Subsystem
Virtual Tape Media Error		
97	137	VTV has an error. Warning: Could be a bad recall from a MVC with a Data Check
98	01	Unended message
98	02	Invalid self-defining information
98	03	Unexpected parameter for this message

TABLE 7-1   ECAM Completion Codes, Return Codes, and Descriptions (Continued)

Completion Code	Return Code	Description
98	04	Invalid message type in message header
98	05	Reserved field nonzero in Request Message header
98	06	Duplicate parameter in message
98	156	VDID parameter is required
99	03	Unable to service request - Support Facility not functional
Configuration/Communication Error		
254	-	VTCS to VTSS communicate failure. No VTDs available for VTCS to send ECAM-T messages to. Action: Verify VTSS is online to the host, subsystem name is OK, bounce HSC.
255	-	VTCS to VTSS communication failure. Possible causes: (1) VTSS name got changed (2) VTSS is down hard (3) VTSS has a DAC. Action: Verify everything is OK and bounce HSC.
255	12	The EXCP to the VTD reported in message SLS6698I failed with an error other than an Interface Control Check.
255	16	The EXCP to the VTD reported in message SLS6698I failed with an Interface Control Check.
255	20	VTCS was unable to issue an EXCP to the VTD reported in message SLS6698I because there is no path to the device.
255	24	VTCS was unable to issue an EXCP to the VTD reported in message SLS6698I because the UCBLOOK macro returned a non-zero return code.
255	28	VTCS was unable to issue an EXCP to the VTD reported in message SLS6698I because the IOSCAPU macro returned a non-zero return code.

CC=5 RC=108

RTD *DDDDDD* ON VTSS *XXXXXXXX* RETURNED ECAM ERROR CC=5 RC=108

Explanation: The RTD is reporting a problem with the drive or there is a problem with the MVC currently mounted on it.

System Action: The VTCS software interprets the ERPA code returned to determine the appropriate system actions. The following message appears after message SLS6684I:

SLS6625E RTD *DDDDDD* REPORTED RRRRRRRR:*XXXXXXXXXX*

where *RRRRRRRR* is the message text of the problem, for example:

- WRITE DATA CHECK
- PATH EQU CHK
- DRIVE EQU CHK

and *XXXXXXXXXX* is the sense bytes containing ERPA code in byte 3. From byte 3, VTCS determines appropriate actions to take, for example:

- Initiating a swap of the MVC to another RTD
- Putting the RTD into Maintenance Mode.

If a swap was initiated, the following message appears after message SLS6625E indicating a swap was issued and identifying the MVC being swapped:

SLS6605I INITIATING SWAP OF MVC *VVVVV* FROM RTD *DDDDDD*

User Response:

- If the swap was successful, do not contact StorageTek Hardware Support.
- If the swap failed and the following messages appear, contact StorageTek Software Support and provide the contents of message SLS6625E:

SLS6628E RTD *DDDDDD* ON VTSS *XXXXXXXX* FAILED TO MOUNT MVC *VVVVV*

SLS6629E RTD *DDDDDD* ON VTSS *XXXXXXXX* FAILED TO DISMOUNT MVC *VVVVV*

SLS6662E RTD *DDDDDD* PUT IN MAINTENANCE MODE BECAUSE OF ERROR

- If a swap was *not* initiated and the following messages appear directly after message SLS6625E, contact StorageTek Hardware Support and send them the contents of the SLS6625E message:

SLS6628E RTD *DDDDDD* ON VTSS *XXXXXXXX* FAILED TO MOUNT MVC *VVVVV*

SLS6629E RTD *DDDDDD* ON VTSS *XXXXXXXX* FAILED TO DISMOUNT MVC *VVVVV*

SLS6662E RTD *DDDDDD* PUT IN MAINTENANCE MODE BECAUSE OF ERROR

In addition, have your site's support services do the following:

1. Run an MVC report to check the status of the MVC.

2. If the status shows either B (broken) or D (data check), or both, drain the MVC with eject.

3. After all VTVs are drained from the MVC, examine the cartridge with a tape analysis utility to determine whether there is a problem with the cartridge or not.

4. If the cartridge is to be returned to service as an MVC, issue a second MVCDRAIN without eject.

If the drain process fails to drain all VTVs from the MVC and if a duplexed copy of those VTVs does not exist, the cartridge should be sent to StorageTek Hardware Support for recovery.

CC5 RC109

```
RTD DDDDDD ON VTSS XXXXXXXX RETURNED ECAM ERROR CC=5 RC=109
```

Explanation: There is a communications error between the VTSS and the RTD. Possible cause of this condition could be that an MVC is mounted on an RTD, and the RTD drops ready due to a drive or cable problem.

System Action: The request fails.

User Response: Query the MVC to display it in SYSLOG for possible diagnostic purposes and then vary the RTD offline using the following commands:

```
.VT Q MVC(volser)
```

   to determine the status of MVC

```
.VT Q RTD(rtd-id)
```

   to see if MVC is mounted on RTD

If the previous display indicates the MVC is not mounted on an RTD, then vary the RTD offline by issuing the following command:

```
.VT V RTD (rtd-id) OFFline
```

If the MVC is mounted on the RTD, vary the RTD online first and then offline to unload the MVC from the RTD. Issue the following commands:

```
.VT V RTD (rtd-id) ONline
.VT V RTD (rtd-id) OFFline
```

Contact StorageTek Hardware Support and supply the RTD address and MVC.

CC5 RC111

`RTD DDDDDD ON VTSS XXXXXXXX RETURNED ECAM ERROR CC=5 RC=111`

Explanation: The real tape cartridge external volser does not match the internal label. This could be caused by the incorrect external label or could indicate an RTD cabling problem.

System Action: The mount request fails.

User Response: Do the following:

1. Query the RTD with the following command and note the MVC volser:

   `.VT Q RTD (`*rtd-id*`)`

2. View the RTD and verify that the external label matches the expected volser of the MVC using the HSC View command:

   `(HSC prefix) VIEW DR ADDRESS(rtd-id)`

   If the external label matches the MVC volser, an RTD cabling problem may exist.

3. Check the internal label to ensure it matches the MVC volser.

   If it does match, contact StorageTek Hardware Support and supply the RTD address and MVC volser from the Query command.

   If the external label does not match, eject the cartridge and analyze it.

CC5 RC112

`RTD DDDDDD ON VTSS XXXXXXXX RETURNED ECAM ERROR CC=5 RC=112`

Explanation: The RTD did not mount the MVC within an internal VTCS timer of 15 minutes and as a result there is a cartridge request timeout. This timeout could indicate one of the following conditions or some other reason for the timeout:

- An MVC is in use on another RTD.
- An outstanding message is on the console.
- A PTP is blocked due to an LSM in path offline.
- A drive targeting the problem or a bad cable may exist in an LSM.
- An LSM door is open.
- The HSC COMMPATH is CDS rather than LMU or VTAM.
- The request is re-driven.

User Response: A service call is usually not necessary for a timeout *if* the mount does occur and there are no other reported errors. Have your site's support services investigate possible problem conditions such as an LMU error(s) or mount failure by reviewing the SYSLOGs to determine whether you should contact StorageTek Hardware Support.

CC5 RC113

`RTD` *DDDDDD* `ON VTSS` *XXXXXXXX* `RETURNED ECAM ERROR CC=5 RC=113`

Explanation: No real tape cartridge was mounted. When the command was initially sent to the RTD, the RTD was online and ready; but before the mount could be satisfied, the RTD drive dropped ready.

System Action: The request fails.

User Response: Eject the MVC cartridge and examine it for any visual defect that may be preventing it from mounting. If you find a problem with the physical cartridge, have your site's support services examine it for further diagnosis, or contact StorageTek Hardware Support.

CC5 RC114

`RTD` *DDDDDD* `ON VTSS` *XXXXXXXX* `RETURNED ECAM ERROR CC=5 RC=114`

Explanation: The real tape cartridge is not an MVC, which could indicate that the MVC has somehow been erroneously re-initialized by another job. If the mount resulted from a migration request, a new volume will be selected and the request will be
re-tried. If the mount resulted from a recall request and the MVC had been previously used and known to be valid, the request will be re-tried from another copy of the VTV. An ECAM CC5 RC114 is issued only when all re-tries fail.

System Action: The request fails.

User Response: Contact your site's support services to investigate the following:

- If the MVC was never used before, verify to see if it was properly initialized.
- Verify there is not an overlapping MVC range.
- Check to see if any tape initialization jobs were run against the tape cartridge.

If the investigation does not reveal any of these problems with the MVC, contact StorageTek Hardware Support.

CC5 RC115

`RTD` *DDDDDD* `ON VTSS` *XXXXXXXX* `RETURNED ECAM ERROR CC=5 RC=115`

Explanation: An End-of-Tape condition was encountered during a recall request.

System Action: The request fails.

User Response: Contact your site's support services to audit the MVC. The audit will update the CDS with a valid End-of-Tape condition. Then retry the request. Do one of the following:

- If the request fails again, contact StorageTek Hardware Support.
- If the audit failed, drain the MVC with an eject.

CC5 RC116

RTD *DDDDDD* ON VTSS *XXXXXXXX* RETURNED ECAM ERROR CC=5 RC=116

Explanation: The MVC position is invalid.

System Action: The request fails.

User Response: Issue the following to determine if the MVC has an invalid MIR:

.VT Q MVC (*volser*)

If the MIR is invalid, then the MVC should be drained with eject. If all VTVs are successfully drained off the MVC, run MVCMAINT to set INVLDMIR OFF for the MVC and the cartridge analyzed by the customer's tape analysis utility (e.g., FATAR). If the cartridge is to be returned for service as an MVC, issue a second MVCDRAIN without eject.

If you are unable to drain all VTVs off the MVC, and if a duplexed copy of those VTVs does not exist, send the cartridge to StorageTek Hardware Support for recovery.

CC5 RC117

RTD *DDDDDD* ON VTSS *XXXXXXXX* RETURNED ECAM ERROR CC=5 RC=117

Explanation: The real tape cartridge is read only.

System Action: The system issues message SLS6687I indicating an MVC was mounted for a migrate request and the cartridge was in a read only state. A new volume is selected and the migrate request(s) is re-tried.

User Response: Eject the cartridge and examine the external write protect mechanism. If the write protect mechanism is set to write protect, position it so it is no longer in write protect mode and re-enter the cartridge into the library.

If the write protect mechanism is properly set and therefore not the cause of the read only problem, contact your site's support services to do the following:

■ Determine whether the customer's security software is protecting the cartridge and proper authorization has not been defined for the HSC started task to write to the MVC.

■ Query the MVC to check the Read Only status:

.VT Q MVC (*volser*)

■ If the status indicates Read Only, use MVCMAINT to turn READONLY off. The problem could also be the result of an MVC that was IMPORTED into the CDS by this utility. These MVCs will be in Read Only until MVCMAINT is used to turn this status off.

No service call should be placed for this ECAM message.

CC9 RC118

RTD *DDDDDD* ON VTSS *XXXXXXXX* RETURNED ECAM ERROR CC=5 RC=118

Explanation: The data check is reading an internal label of a VTV on an MVC.

System Action: If a duplexed copy of the VTV exists, VTCS will recover the VTV from the second copy; otherwise, the request fails.

User Response: This is probably a media problem. Query the MVC to determine if the MVC encountered a data check:

`.VT Q MVC(`*volser*`)`

Contact your site's support services. If the MVC encountered a data check, drain the MVC with eject. When all VTVs are successfully drained off the MVC, examine and analyze the cartridge using the your tape analysis utility e.g., (FATAR) to determine if there is a problem with the cartridge. Then, if the cartridge is to be returned to service as an MVC, issue a second MVCDRAIN without eject. If the drain process fails to drain all VTVs off the MVC, and if a duplexed copy of those VTVs does not exist, then send the cartridge to StorageTek Hardware Support for recovery.

If your site's support services determines that the CC5 RC118 was not caused by a media problem, contact StorageTek Hardware Support.

CC9 RC127

RTD *DDDDDD* ON VTSS *XXXXXXXX* RETURNED ECAM ERROR CC=9 RC=127

Explanation: The RTD is busy, which means another request is in process.

System Action: The request fails.

User Response: Query the VTCS locks to determine if a lock is being held by a host that is currently down:

`.VT Q LOCKS`

If you determine that a host holding a lock is currently down, contact your site's support services. They should issue an HSC Recover command:

`(HSC Prefix) RECOVER `*host-id*

If a held lock is not the problem, or if the HSC Recover command does not resolve the problem, contact StorageTek Software Support.

CC9 RC128

RTD *DDDDDD* ON VTSS *XXXXXXXX* RETURNED ECAM ERROR CC=9 RC=128

Explanation: VTCS attempts to mount to an RTD that is offline or inoperable to VTSS. This is an indication of an out-of-sync condition between VTSS and VTCS regarding an RTD whereby a VTSS has taken an RTD offline to itself internally and VTCS didn't know about it.

System Action: The request fails.

User Response: Vary the RTD offline using the following command:

`.VT VRTD (`*rtd-id*`) OFFline`

Then contact StorageTek Hardware Support.

CC9 RC129

`RTD` *DDDDDD* `ON VTSS` *XXXXXXXX* `RETURNED ECAM ERROR CC=9 RC=129`

Explanation: The RTD is unconfigured. This usually occurs at VTSS implementation and indicates there is a configuration mismatch between the VTSS hardware configuration and the VTCS software configuration or the HSC LIBGEN and VTCS CONFIG.

System Action: None.

User Response: Contact your site's support services to determine whether recent changes were made to RTDs in LIBGEN, and to ensure VTCS CONFIG with Reset was done. If all software configurations are verified to be correct, then contact StorageTek Hardware Support. They should verify that the VTSS Op Panel matches the customer's VTCS configuration prior to running hardware diagnostics.

CC9 RC132

`RTD` *DDDDDD* `ON VTSS` *XXXXXXXX* `RETURNED ECAM ERROR CC=9 RC=132`

Explanation: The Interface is already assigned to another RTD. This indicates a hardware configuration mismatch between the VTSS hardware configuration and the VTCS software configuration, or a possible RTD cabling problem.

System Action: None.

User Response: Contact your site's support services If recent changes were made to the RTDs, ensure VTCS CONFIG with RESET was done. Verify the VTCS Configuration for accuracy. If it looks correct, contact StorageTek Hardware Support. They should verify that the VTSS Op Panel matches your VTCS configuration prior to running hardware diagnostics.

CC9 RC133

`RTD` *DDDDDD* `ON VTSS` *XXXXXXXX* `RETURNED ECAM ERROR CC=9 RC=133`

Explanation: VTCS is unable to service the request because the interface is configured in Control Unit mode. This error would be encountered at VTSS installation time. It indicates that VTCS believes the interface is a Nearlink interface, but VTSS believes it is a host interface. The error message is not an indication of a bad ICE card; however, that ICE card is unavailable until it is fixed by a CSE. It is disruptive to fix.

System Action: None.

User Response: Contact StorageTek Hardware Support.

CC9 RC135

`RTD DDDDDD ON VTSS XXXXXXXX RETURNED ECAM ERROR CC=9 RC=135`

Explanation: The RTD is online. Configuration cannot be changed from the Op Panel. This condition would only be experienced during a VSM reconfiguration while an Oracle CSE is attempting to remove an RTD definition. To remove an RTD from the VTSS, do the following actions:

- Issue a VTCS CONFIG with RESET.
- Bring VTCS down and back up to (bounce) release the RTD from the internal VTSS table.
- Bring down VTCS again to allow removal of the RTD from the VTSS.

System Action: None.

User Response: Your site's support services has probably initiated this as a planned activity. The Oracle CSE should already be on site and therefore no service call is necessary.

CC9 RC144

`RTD DDDDDD ON VTSS XXXXXXXX RETURNED ECAM ERROR CC=9 RC=144`

Explanation: This message relates to VSM4 only. A Channel Processor was busy with an RTD on the other port that this CIP is controlling. (Paired RTDs on a CIP are controlled by VTCS software.) This ECAM message is an indication of a VTCS Configuration done without a Reset, or it indicates a possible VTCS software problem.

System Action: None.

User Response: Contact your site's support services to verify that PTF L1H11I6 is on the host issuing the message. If so, then review VTCS Configuration for accuracy. If the configuration is accurate, contact StorageTek Hardware Support to verify that the VTSS Op Panel matches your VTCS Configuration. If the hardware configuration is correct, then the CSE should assign the problem to StorageTek Software Support for further diagnostics.

VLE UUI Return Codes

The following table describes return codes that may be specifically generated by the VLE in response to a UUI command.

TABLE 7-2 VLE UUI Return Codes

Return Code	Reason Code	Description
5	108	A general error condition is reported by either the VTSS or VLE. This matches to an ECAM response.
5	109	There is a communication breakdown. This matches to an ECAM response.
5	111	Another VMVC is mounted on the device. This matches to an ECAM response.
5	113	There is no VMVC mounted on the DEVICEID connection. This matches to an ECAM response.
5	115	The VMVC file system is nearly full. This matches to an ECAM response.
5	116	The VTV copy requested does not exist upon the VMVC. This matches to an ECAM response.
8	119	The VTSS inventory is full. This matches to an ECAM response.
8	120	The VTSS runs out of space to store the VTV. This matches to an ECAM response.
9	121	The VTSS reports the target VTV as busy. This matches to an ECAM response.
9	122	The VTSS reports the target VTV as already being present. This matches to an ECAM response.
9	123	The VTSS reports the target VTV as absent or missing. This matches to an ECAM response.
9	126	The VTSS reports the target VTV as corrupt. This matches to an ECAM response.
9	128	The VTSS has reported to the VLE that the device required for the operation is offline or inoperable.
9	132	A miss-match has been detected between the RTDNO= parameter and the device that initiated the connection from the VTSS to the VLE.
9	139	The VTSS reports the target VTV as being recovered. This matches to an ECAM response.
10	xxx	General errors associated with the command.
11	xxx	General errors associated with the command.
11	3	The VMVC is mounted upon a different device.
12	xxx	General errors associated with the command.
12	6	The currently mounted VMVC volser does not match to the VOLUME parameter.
13	xxx	General errors associated with the command.
13	9	The TIMESTMP parameter supplied does not match the VTV copy being requested for migration.
13	10	Unable to obtain a copy of the VTV from any of the COPYFROM= locations.

TABLE 7-2   VLE UUI Return Codes (Continued)

Return Code	Reason Code	Description
14	xxx	General errors associated with the command.
15	xxx	General errors associated with the command.
15	7	The VTV identified by the PREVVTV parameter could not be found.
16	xxx	General errors associated with the command.
16	8	The disk pool is not known to the VLE and the DISKPOOL parameter is specified.
17	xxx	General errors associated with the command.
17	7	The VTV copy being deleted does not exist upon the VMVC.
17	9	The TIMESTMP parameter supplied does not match the VTV copy being requested for deletion.
30	1	The value for the DEVICEID connection is not known.
30	2	The device is already performing some other kind of operation associated with VMVCs.
30	4	The VMVC volser is not known to the VLE.
30	5	The VMVC is connected to a different server to the DEVICEID connection.
xx	93	A communications time-out has occurred when performing communication between nodes in the VLE complex.
xx	94	API protocol violation. This means that an attempt has been made to issue a version of the command that was incompatible with the version of the last MOUNT_VMVC command.
xx	95	The source VLE name specified in the COPYFROM parameter is unknown in the configuration of the source VLE.
xx	96	The source VLE specified in the COPTFROM parameter refused the connection to execute the command or could not be contacted.
xxx	97	The VLE node within the complex required to support this operation is offline.
xxx	98	General problem with parameters or command.
xxx	99	General non-specific failure while executing the command.